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ENHANCING SAFETY IN FLORIDA TRANSIT SYSTEMS

Final Report

Accident Tracking Methodology/Case Study

Prepared in cooperation with the
State of Florida Department of Transportation



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TABLE OF CONTENTS

INTRODUCTION	1
PSTA CASE STUDY - ACCIDENT ANALYSIS	1
Data Analysis Methodology	2
Caveat for Interpretation of Data Results	3
FREQUENCY DISTRIBUTION ANALYSIS	4
Accident Occurrence by Month	4
Accident Occurrence by Day of Week	5
Accident Occurrence by Time of Day	6
Accident Occurrence by Type of Weather	7
Accident Occurrence by Route	7
Accident Occurrence by Transit Vehicle Type	9
Accident Occurrence by Transit Vehicle Year of Manufacture	9
Accident Occurrence by Roadway Condition	10
Accident Occurrence by Type of Involvement	11
Accident Occurrence by Impact Dynamics	12
Accident Occurrence by Identified Preventability Status	12
Accident Occurrence By Years of Operator Experience	13
Summary of Frequency Distribution Findings	13
CROSS-TABULATION ANALYSIS OF PERTINENT DATA	14
Type of Occurrence by Route	15
Type of Occurrence by Preventability	15
Years of Operator Experience by Preventability	16
Years of Operator Experience by Type of Occurrence	16
Vehicle Manufacturer by Year of Manufacture	17
Summary of Cross-Tabulation Findings	18
GEOGRAPHIC ANALYSIS OF ACCIDENT OCCURRENCE	19
Frequency Analysis of Accident Location Data	23
Cross-Tabulation Analysis of Accident Location Data	23
RECOMMENDATIONS	24
Data Collection	24
Data Preparation	26
Data Analysis	26

Data Interpretation	27
Action Plan	28
Appendix A	
PSTA 1996 Driver's Accident/Incident Report and PSTA Supervisor Accident Report Forms	29
Appendix B	
1996 PSTA Raw Accident Data In Excel Table	36
Appendix C	
Raw Frequency Table	40
Appendix D	
Example of Accident/Incident Report Forms, Tri-Met - Portland, OR	42

LIST OF TABLES

Table 1	Frequency Distribution for Month Accident Occurred	5
Table 2	Frequency Distribution for Day of Week Accident Occurred	5
Table 3	Frequency Distribution for Time of Day Accident Occurred	6
Table 4	Frequency Distribution for Type of Weather When Accident Occurred	7
Table 5	Frequency Distribution for Route Where Accident Occurred	8
Table 6	Frequency Distribution for Types of Transit Vehicles Involved in Accidents	9
Table 7	Frequency Distribution for Year of Manufacture of Transit Vehicles Involved in Accidents	10
Table 8	Frequency Distribution for Condition of Roadway on which Accident Occurred ...	11
Table 9	Frequency Distribution for Type of Involvement	11
Table 10	Frequency Distribution for Occurrence Impact Dynamics	12
Table 11	Frequency Distribution for Identified Preventability Status of Accidents	12
Table 12	Frequency Distribution for Operators' Experience	13
Table 13	Cross-Tabulation for Type of Occurrence by Selected Routes	15
Table 14	Cross-Tabulation for Type of Occurrence by Preventability	16
Table 15	Cross-Tabulation for Years of Operator Experience by Preventability	16
Table 16	Cross-Tabulation for Years of Operator Experience by Type of Occurrence	17
Table 17	Cross-Tabulation for Vehicle Manufacturer by Year of Manufacture	18

LIST OF FIGURES

Figure 1	1996 PSTA Accidents	20
Figure 2	1996 PSTA Accidents North Portion of Pinellas County	21
Figure 3	1996 PSTA Accidents South Portion of Pinellas County	22



ACCIDENT TRACKING METHODOLOGY/CASE STUDY

INTRODUCTION

Under contract with the Florida Department of Transportation (FDOT), the Center for Urban Transportation Research (CUTR) was asked to evaluate and document the current State and Federal regulations regarding safety in the public transit industry. Further, this project will develop a process to help Florida transit agencies to track and analyze bus accidents. Such an analysis will help determine common causal factors contributing to accidents, in addition to potential hazards. Having a standard tracking system in place would also allow an agency to measure its success in reducing accidents over time. Having increased capabilities in tracking, analyzing, and preventing accidents can help reduce transit costs, while obviously making transit a safer and more attractive transportation alternative.

In developing system safety guidelines and accident tracking procedures, it is important to gain insight into other experiences throughout the transit industry. To this end, Technical Memorandum Number One of this project presented the results of a survey of all Florida public transit agencies, as well as selected larger systems across the U.S. and Canada. Two similar surveys were developed for this analysis. One survey, sent to the non-Florida transit systems, sought information about system safety plans as well as bus accident tracking. The Florida systems received a survey that contained only the questions related to accident tracking, as their information on system safety plans is already known.

This report presents a summary of a Case Study review of accident data at the Pinellas Suncoast Transit Authority (PSTA) in Pinellas County, Florida. Also presented is the methodology used in performing the analysis, and recommendations for data collection and analyses for tracking bus accidents by other Florida transit properties.

PSTA CASE STUDY - ACCIDENT ANALYSIS

Through the cooperation of PSTA Risk Management staff, CUTR collected and analyzed raw accident data for all 12 months of calendar year 1996. In 1996, PSTA had 234 accidents/incidents involving fixed-route buses. The terms "accidents" and "incidents" are used interchangeably and are defined by the Federal Transit Administration for the National Transit Database (NTD) as collisions, derailments, personal casualties, fires, and property damage in excess of \$1,000, associated with transit agency revenue vehicles. However, it should be noted that for the purposes of this analysis all accidents/incidents are included in the analysis regardless of value of the damage.

PSTA is an independent transit authority serving Pinellas County, Florida, with a service area of 143 square miles and a population of 792,000. According to FY 1996 NTD data, PSTA operated 6,767,000 vehicle miles of service, using 105 vehicles in maximum service. PSTA carried 7,881,000 passenger trips during this time. PSTA operates service seven days per week.

Data Analysis Methodology

One purpose of this study was to develop a simple process for the Florida transit agencies to analyze their bus accident data. While software programs exist for mainframe applications as part of a transit agency's overall computer network for accounting, operations, grants, and maintenance, this mainframe software can often be tedious and difficult to operate. Recent technological advances in microcomputers allow for easier manipulation and analysis of very large databases using readily available software. For this project, CUTR selected Microsoft Access for Windows 95, a database software package that can be used to enter, maintain, analyze, and archive a host of data including transit agency bus accident data. This software is available either as a stand-alone package or part of the Microsoft Office 97 bundle of software. Microsoft Access gives the end-user the ability to analyze bus accident or other data using a number of simple procedures including frequency distributions and cross-tabulations. In addition, it gives the end-user the ability to change and edit data as needed as well as archive large amounts of accident data.

The bus accident data were extracted from the 1996 PSTA Driver's Accident/Incident Reports and PSTA Supervisor Accident Reports (examples are contained in Appendix A). The data contained in PSTA's actual hard-copy bus accident reports were entered into Microsoft Access using the new/blank database (tables) feature (Appendix B). To create a new/blank database for entering bus accident data, select "File," then select "New Database." After selecting "New Database," select "OK" and then "Create" to create a new/blank database. Open the newly-created database (table) by selecting "New" and then selecting "Datasheet View" from the "New Table" window. A new/blank database (table) should now be open and ready for data entry. With the new/blank database (table) that has been created open, select "View" from the pull-down menu at the top of the screen and then select the "Design View" feature from the menu. The "Design View" feature allows for the labeling of data fields (columns) and for specifying the data type of each field (i.e., date/time, text, currency, etc.). At this point, it is best to have a "mental" layout of the desired database format. This will aid in labeling and selecting the appropriate data field types. The data fields that were specified for this project included:

- Date of accident
- Day of week
- Time of day
- Weather conditions
- Route number

- Run number
- Vehicle manufacturer
- Year of manufacture
- Number of passengers on board at time of accident
- Roadway conditions
- Accident location (nearest street intersection)
- Type of intersection
- Location of stop (nearside, far-side, mid-block)
- Type of involvement (fixed object, moving vehicle, parked vehicle)
- Type of impact dynamic (head-on, rear-end, etc.)
- Damage to transit vehicle
- Direction of bus travel
- Direction of other vehicle travel
- Number of vehicles involved
- Number of injuries
- Dollar estimate of damage to transit vehicle
- Operator hire date
- Preventable/non-preventable

After entering, labeling, and specifying data types for all of PSTA's bus accident data, a number of simple statistical procedures were performed including frequency distributions (shows the number of occurrences and associated percentages by data field, e.g., total accidents distributed among the different types of transit vehicles) and cross-tabulations (e.g., analyzing accident occurrence by vehicle type and vehicle manufacturer) to uncover important relationships in the data. Frequency distributions and cross-tabulations are performed by selecting "Queries" and then selecting "New." After selecting "New", several options are presented in a window labeled "New Query." From this window, select either "Simple Query Wizard" for frequency distributions or "Crosstab Query Wizard" for cross-tabulations. After making your selection, follow the prompts to perform the desired procedure (example output is contained in Appendix C).

The following sections present the frequency distributions and cross-tabulations of selected aspects of the accident data, which may be useful in analyzing the potential causes of and/or reasons for the incidents as well as in helping formulate training procedures and other strategies to decrease overall accident occurrence.

Caveat for Interpretation of Data Results

The primary purpose of this document is to report, as an example of accident tracking, the results of the analysis of the PSTA 1996 Driver's Accident/Incident Reports and the PSTA Supervisor Accident Reports. While some attempts have been made in the following sections to provide

explanatory factors for the frequency distribution results, care should be taken when interpreting the raw data and distributions. For example, when examining accident occurrence by route (see Table 5), one might simply conclude without further analysis that the greatest number of accidents occurred on Route 19. While this is true, one must continue the evaluation and examine the number of accidents per revenue mile of service to determine whether this particular route is truly problematic. In this example, Route 19 clearly has the greatest number of revenue miles operated and would therefore be expected to have the highest occurrence of accidents.

Another example, as shown in Table 7, involves the year of vehicle manufacture, where the 1994 vehicles accounted for 30.8 percent of the 1996 accidents (that had vehicle information reported for them). One may interpret this to mean that the 1994 vehicles had some problem or defect that may have contributed to the high number of accidents. However, in analyzing FY 1996 NTD data, one would find that these particular vehicles operated 30.2 percent of the system's total vehicle miles, and would therefore be expected to have produced about one-third of the system's total accidents.

FREQUENCY DISTRIBUTION ANALYSIS

Accident Occurrence by Month

In Table 1, the frequency distribution for the particular months during which the 1996 accidents occurred is presented. It is evident from the distribution that three months in particular stand out for accident occurrence: September (12.8 percent), November (12.8 percent), and May (11.1 percent). It is interesting to note that two of the three months, May and September, approximately coincide with the ending and beginning of the school year. Typically, these months are characterized by higher traffic volumes and congestion--school buses are added to the mix as well as additional vehicles on the road due to parents having to drop off school-age children. The marked changes in traffic patterns and volumes that occur between the times when school is in session and when it is out of session often can create a more fertile environment for accident occurrence because of driver impatience and confusion. Later in this document, this particular factor will be further analyzed using cross-tabulations.

Table 1
Frequency Distribution for Month Accident Occurred

Month in Calendar Year 1996	Frequency	Percent Distribution
January	17	7.3
February	17	7.3
March	14	6.0
April	14	6.0
May	26	11.1
June	16	6.8
July	22	9.4
August	14	6.0
September	30	12.8
October	15	6.4
November	30	12.8
December	19	8.1
Total	234	100.0

Accident Occurrence by Day of Week

Table 2 shows the frequency distribution for the days of the week during which the 1996 accidents occurred. The two days during which the most accidents occurred are Tuesday and Thursday. Tuesday through Thursday are typically the busiest travel days of the week--days during which the most traffic is on the roads. The next most frequent day for accident occurrence is Friday.

Table 2
Frequency Distribution for Day of Week Accident Occurred

Day of Week	Frequency	Percent Distribution
Monday	29	12.4
Tuesday	46	19.7
Wednesday	32	13.7
Thursday	45	19.2
Friday	41	17.5
Saturday	25	10.7
Sunday	16	6.8
Total	234	100.0

Accident Occurrence by Time of Day

Table 3 presents the frequency distribution for the various times of the day that the 1996 accidents occurred. The time periods during which the most accidents occurred are 2:00-2:59 p.m. (9.8 percent of accidents with reported occurrence times) and 3:00-3:59 p.m. (9.8 percent). Approximately one-fifth of all the accidents that had reported occurrence times took place during this two-hour period. While it does not coincide with the actual afternoon peak period typically associated with most urbanized areas (i.e., 4:00-6:00 p.m.), due to the more elderly population of Pinellas County, this two-hour period is most likely the time during which elderly drivers make shopping, medical, and other personal trips. The next highest accident occurrence time periods are 5:00-5:59 p.m. (8.1 percent), 8:00-8:59 a.m. (7.7 percent), and 4:00-4:59 p.m. (7.3 percent), which all fall within the more typical morning and afternoon peak travel times.

Table 3
Frequency Distribution for Time of Day Accident Occurred

Time of Day	Frequency	Percent Distribution
6 to 6:59 AM	7	3.0
7 to 7:59 AM	12	5.1
8 to 8:59 AM	18	7.7
9 to 9:59 AM	12	5.1
10 to 10:59 AM	15	6.4
11 to 11:59 AM	16	6.8
12 to 12:59 PM	16	6.8
1 to 1:59 PM	11	4.7
2 to 2:59 PM	23	9.8
3 to 3:59 PM	23	9.8
4 to 4:59 PM	17	7.3
5 to 5:59 PM	19	8.1
6 to 6:59 PM	10	4.3
7 to 7:59 PM	8	3.4
8 to 8:59 PM	5	2.1
9 to 9:59 PM	1	.4
10 to 10:59 PM	3	1.3
11 to 11:59 PM	3	1.3
Subtotal	219	93.6
Missing	15	6.4
Total	234	100.0

Accident Occurrence by Type of Weather

The frequency distribution for the weather conditions that existed at the time of the 1996 accidents is contained in Table 4. The vast majority of the accidents for which weather conditions were reported occurred on clear days (65.4 percent). Only 5.6 percent and 1.3 percent of the accidents occurred on rainy days or in darkness, respectively. More than one-fourth of all the 1996 accidents did not have weather conditions recorded on their accident/incident report forms.

Table 4
Frequency Distribution for Type of Weather When Accident Occurred

Weather	Frequency	Percent Distribution
Clear	153	65.4
Fog	1	.4
Rain	13	5.6
Dark	3	1.3
Subtotal	170	72.6
Missing	64	27.4
Total	234	100.0

Accident Occurrence by Route

The frequency distribution for the routes on which the 1996 accidents occurred is presented in Table 5. The two routes with the most accident occurrences are Route 18 (12.0 percent of accidents with reported routes) and Route 19 (10.3 percent). These are two of the longest routes in the system, traversing nearly the entire county, and operating a significant amount of revenue miles. Both routes also operate primarily along heavily-traveled urban roadways: Route 19 operates along U.S. 19 and Route 18 operates along Tyrone Boulevard, Seminole Boulevard, and Missouri Avenue.

Table 5
Frequency Distribution for Route Where Accident Occurred

Route	Frequency	Percent Distribution
3.00	1	.4
4.00	15	6.4
5.00	6	2.6
7.00	4	1.7
9.00	3	1.3
10.00	1	.4
11.00	3	1.3
14.00	3	1.3
15.00	4	1.7
16.00	3	1.3
18.00	28	12.0
19.00	24	10.3
20.00	3	1.3
22.00	3	1.3
23.00	8	3.4
27.00	1	.4
29.00	2	.9
30.00	1	.4
35.00	4	1.7
38.00	1	.4
44.00	1	.4
52.00	20	8.5
59.00	12	5.1
60.00	2	.9
61.00	4	1.7
63.00	2	.9
66.00	8	3.4
67.00	3	1.3
71.00	4	1.7
73.00	2	.9
74.00	7	3.0
75.00	2	.9
76.00	4	1.7
78.00	1	.4
79.00	7	3.0
80.00	5	2.1
82.00	3	1.3
94.00	3	1.3
97.00	3	1.3
100.00	3	1.3
Subtotal	214	91.5
Missing	20	8.5
Total	234	100.0

Accident Occurrence by Transit Vehicle Type

Table 6 contains the frequency distribution for the various types of transit vehicles that were involved in the 1996 accidents. The vehicle types with the most accident occurrences are the Gillig vehicles (34.6 percent of the accidents with reported vehicle types) and the Flxible vehicles (31.6 percent). These two vehicle types also happened to comprise the majority of PSTA's vehicle fleet during the 1996 fiscal year: Gillig vehicles made up about 31 percent of the fleet while Flxible vehicles made up about 38 percent of the fleet. Additionally, 19.2 percent of the accidents involved GMC transit vehicles; in 1996 these vehicles comprised 23 percent of PSTA's vehicle fleet.

Table 6
Frequency Distribution for Types of Transit Vehicles Involved in Accidents

Vehicle Type	Frequency	Percent Distribution
Flxible	74	31.6
GMC (van)	1	.4
Gillig	81	34.6
GMC	45	19.2
Orion	12	5.1
Ford	1	.4
Dodge	1	.4
International	1	.4
Jeep	2	.9
New Flyer	7	3.0
Subtotal	225	96.2
Missing	9	3.8
Total	234	100.0

Accident Occurrence by Transit Vehicle Year of Manufacture

Table 7 presents the frequency distribution for the years of manufacture of the transit vehicles that were involved in the 1996 accidents. The vehicle years of manufacture with the most accident occurrences are the 1994 vehicles (30.8 percent of the accidents with reported vehicle years of manufacture) and the 1993 vehicles (17.5 percent). As was the case for vehicle type, these particular years represent the most vehicles in PSTA's inventory during the 1996 fiscal year, according to NTD data.

Table 7
Frequency Distribution for Year of Manufacture of Transit Vehicles Involved in Accidents

Vehicle Year of Manufacture	Frequency	Percent Distribution
1980	14	6.0
1982	25	10.7
1983	20	8.5
1985	9	3.8
1986	1	.4
1989	10	4.3
1991	7	3.0
1992	16	6.8
1993	41	17.5
1994	72	30.8
1995	3	1.3
1996	6	2.6
1997	1	.4
Subtotal	225	96.2
Missing	9	3.8
Total	234	100.0

Accident Occurrence by Roadway Condition

In Table 8, the frequency distribution for the conditions of the roadway(s) on which the 1996 accidents occurred is shown. For the most part, accidents occurred on roadways without any reported defects (62.8 percent of accidents with reported roadway defects). Only 3.8 percent and 3.0 percent of the accidents occurred on roadways under repair or on slippery roadways, respectively. In addition, 29.1 percent of all the 1996 accidents did not have roadway conditions recorded on their accident/incident report forms.

Table 8
Frequency Distribution for Condition of Roadway on which Accident Occurred

Roadway Conditions	Frequency	Percent Distribution
No Defects	147	62.8
Slippery	7	3.0
Under Repair	9	3.8
Cracked Sidewalk	1	.4
Muddy	1	.4
Holes or Ruts	1	.4
Subtotal	166	70.9
Missing	68	29.1
Total	234	100.0

Accident Occurrence by Type of Involvement

The frequency distribution for the type of involvement for the 1996 accidents is presented in Table 9. As evidenced in the table, the majority of these accidents involved a motor vehicle (59.8 percent of the accidents with a reported type of involvement). The next highest incident type involved passengers on the bus (19.2 percent). These particular incidents include passengers falling or tripping while boarding/alighting the bus or walking down the aisle or passengers falling out of their seats (or wheelchairs) during a quick or hard braking of the bus, among other occurrences.

Table 9
Frequency Distribution for Type of Involvement

Type of Involvement	Frequency	Percent Distribution
Fixed Object	32	13.7
Motor Vehicle	140	59.8
Parked Vehicle	2	.9
Passenger on Bus	45	19.2
Projectile	6	2.6
Pedestrian	1	.4
Another PSTA Vehicle	2	.9
Bicycle	1	.4
Subtotal	229	97.9
Missing	5	2.1
Total	234	100.0

Accident Occurrence by Impact Dynamics

The frequency distribution for the particular dynamics of the impacts of the 1996 accidents is presented in Table 10. The data in the table indicate that non-collisions (33.8 percent of the accidents with a reported impact dynamic) had the highest frequency of occurrence. Non-collisions include passenger injuries caused by sudden vehicle stops/starts and swerves, as well as non-vehicle accidents where a bus may hit a tree or curb. The second most frequent dynamic of impact was side swipe (30.3 percent) where a bus was hit on the side (other than a right angle hit) or the bus hit an object with its side.

Table 10
Frequency Distribution for Occurrence Impact Dynamics

Impact Dynamics	Frequency	Percent Distribution
Head On	4	1.7
Right Angle	26	11.1
Rear End	47	20.1
Side Swipe	71	30.3
Non-Collision	79	33.8
PSTA Hit	2	.9
Subtotal	229	97.9
Missing	5	2.1
Total	234	100.0

Accident Occurrence by Identified Preventability Status

The frequency distribution for the preventability status (i.e., whether an accident is preventable or non-preventable) of the 1996 accidents is presented in Table 11. As shown in the table, 78.2 percent of the PSTA accidents that occurred in 1996 were classified as non-preventable by the system.

Table 11
Frequency Distribution for Identified Preventability Status of Accidents

Preventability Status	Frequency	Percent Distribution
Non-Preventable	183	78.2
Preventable	51	21.8
Total	234	100.0

Accident Occurrence By Years of Operator Experience

The frequency distribution for operator experience at the time of each 1996 accident is shown in Table 12. The data in the table indicate that, contrary to logical thinking, the majority of accidents occurred with more senior experienced operators (10 or more years - 42.7 percent, 7 to 9 years - 15.8 percent). However, this table also presents the distribution of years of experience for **all** of PSTA's operators. This can be used as a proxy for operator exposure (i.e., total vehicle hours operated by a driver). When using these additional data, it appears that accidents are directly related to the amount of operating exposure, except in the instance of operators with 1 to 2 years of experience, where it appears that they are experiencing a higher rate of accidents in comparison to their operating exposure. Nevertheless, a more detailed analysis would be to look at the driver vehicle hours of operation by years of experience in relationship to the number of accidents, which may very well show that the senior drivers operate an even higher percentage of total vehicle hours than the percentage shown for operator distribution by years of experience.

Table 12
Frequency Distribution for Operators' Experience

Years of Experience at PSTA	Frequency	Percent Distribution	Operator Distribution
Less than 1 Year	12	5.1	6.3
1 to 2 Years	22	9.4	7.0
3 to 4 Years	33	14.1	13.3
5 to 6 Years	25	10.7	9.0
7 to 9 Years	37	15.8	18.0
10 or More Years	100	42.7	46.5
System Missing	5	2.1	NA
Total	234	100.0	100.0

Summary of Frequency Distribution Findings

A review of the frequency distributions for selected characteristics from PSTA's 1996 accident database determined that a "typical" accident during this particular year occurred:

- during the months of September and November;
- on a Tuesday or a Thursday;
- between the hours of 2:00-3:59 p.m.;
- under clear weather conditions
- on Route 18;
- on-board or involving a 1994 Gillig motorbus;

- on a roadway with no defects;
- as a non-collision impact dynamic;
- as a non-preventable accident; and
- involving an operator with 10 or more years of experience.

For the most part, the frequency analysis alone did not reveal any significant unexpected issues or causal factors which PSTA would need to address through maintenance actions and/or training/re-training. However, some issues were identified with the both the level of detail and the "completeness" of the data collected by PSTA. First, the vast majority of the accident occurrence characteristics had missing data. For example, both the weather condition and roadway condition factors had over 25 percent missing data. While much of the missing data may not be critically important to deal with fault determination and related insurance claims, ensuring the completeness of the data is of utmost importance when performing a detailed analysis of the system's accident occurrence data for purposes of improving maintenance and/or training programs. Further, in addition to ensuring data completeness, an accident tracking analysis could also benefit from additional occurrence factors such as specific roadway characteristics (i.e., posted roadway speed, number of lanes, etc.) as well as perhaps greater detail within some of the characteristics.

It should also be noted that, while still beneficial, this analysis of PSTA accident data only considered one year's worth of data. Additional benefit can be derived if current year occurrence information is compared to that for previous years in order to analyze the success of any accident prevention actions and/or training programs that have been instituted over those years.

CROSS-TABULATION ANALYSIS OF PERTINENT DATA

Analysis of frequencies alone can provide useful information on the individual characteristics of each accident. However, some characteristics are better analyzed in relation to other factors to gain a more complete understanding of their influence on accident occurrence. For example, it may be interesting to know the distribution of accidents by the year of vehicle manufacture, or separately by the manufacturer of the transit vehicle involved in each accident. However, it is most beneficial to examine the accidents by both of these factors at the same time (i.e., a cross-tabulation) so a transit system can better gauge which particular vehicles in their fleet, by year and manufacturer, may have the highest incidence of accidents and, as a result, may lead to detailed analyses of the most problematic vehicles. The results of these further analyses would then enable the system to develop more and/or different training procedures and maintenance techniques.

The following sections discuss the results of a number of cross-tabulations that were completed on PSTA's accident data. These particular cross-tabs were selected to provide a more detailed analysis of the causal factors of the accidents experienced by PSTA during the 1996 calendar year.

Type of Occurrence by Route

Table 13 presents a cross-tabulation of type of occurrence by route for those routes that had five or more occurrences of a particular type of accident. A total of six routes had five or more accidents within an occurrence type. For example, as highlighted in the table, Route 18 had a total of 28 accidents during 1996. Thirty-six percent (10 accidents) of these were non-collision incidents, 32 percent (9) were sideswipe accidents, and 18 percent (5) were right angle accidents. For certain accident types, this information can be utilized to further examine specific routes for potential causal factors such as road geometry, signage/signalization, bus stop spacing/location, etc.

Table 13
Cross-Tabulation for Type of Occurrence by Selected Routes

Route Number	Type of Occurrence						Total
	Head On	Right Angle	Rear End	Side Swipe	Non-Collision	PSTA Hit	
4	1	2	0	2	9	0	14
18	0	5	4	9	10	0	28
19	0	1	9	9	5	0	24
23	0	0	1	2	5	0	8
52	0	2	5	7	6	0	20
59	0	2	6	1	2	0	11

Type of Occurrence by Preventability

A cross-tabulation of type of occurrence by the preventability of the occurrence is shown in Table 14. One of the least frequently occurring accident types during 1996 was the head-on collision. However, the cross-tab data in the table below indicate that three-quarters of the accidents of this particular type were preventable. Another type of accident with a high percentage of preventable occurrences was the sideswipe, where 27 percent of the total accidents of this type were preventable. Overall, in 1996, a total of 21 percent of PSTA's occurrences were classified as being preventable.

Table 14
Cross-Tabulation for Type of Occurrence by Preventability

Preventability	Type of Occurrence						Total
	Head On	Right Angle	Rear End	Side Swipe	Non-Collision	PSTA Hit	
Preventable	3	3	3	19	19	1	48
Non-Preventable	1	23	44	52	60	1	181

Years of Operator Experience by Preventability

The results for the cross-tabulation of years of operator experience by occurrence preventability is shown in Table 15. The group with the lowest percentage of preventable accidents is drivers with less than one year of experience. Less than 17 percent of the twelve accidents this group had were preventable, which may be attributable to their recent training and "freshman" cautiousness. On the other hand, operators with one to two years of experience had the second greatest percentage (32 percent) of preventable accidents. This may suggest that these drivers have become more cavalier in their driving habits as they have gained some experience. Finally, as would be expected, the drivers with the most experience (i.e., 10 or more years) accounted for the second lowest percentage of preventable accidents.

Table 15
Cross-Tabulation for Years of Operator Experience by Preventability

Preventability	Years of Operator Experience						Total
	< 1 year	1-2 years	3-4 years	5-6 years	7-9 years	10+ years	
Preventable	2	7	7	8	8	19	51
Non-Preventable	10	15	26	17	29	81	178

Years of Operator Experience by Type of Occurrence

Table 16 includes the results for the cross-tabulation of years of operator experience by the type of occurrence. From the data, it is apparent that the least-experienced (i.e., less than one year of experience) drivers are having difficulties with sideswipe accidents, in that 58 percent of their accidents were of this particular type. The only other type of occurrence that is significant within a particular driver-experience group is the non-collision occurrence. More than 42 percent of the accidents attributed to the drivers with 3 to 4 years of experience were of this type. Interestingly,

though there were very few head-on collision accidents in 1996 (four), 75 percent of these accidents occurred within the driver group with 10 or more years of experience.

Table 16
Cross-Tabulation for Years of Operator Experience by Type of Occurrence

Years of Operator Experience	Type of Occurrence					
	Head On	Right Angle	Rear End	Side Swipe	Non-Collision	PSTA Hit
< 1 year	0	1	2	7	2	0
1-2 years	1	2	6	6	6	0
3-4 years	0	3	7	9	14	0
5-6 years	0	1	6	8	7	2
7-9 years	0	9	5	11	11	0
10+ years	3	9	21	29	36	0
Total	4	25	47	70	76	2

Vehicle Manufacturer by Year of Manufacture

A cross-tabulation of PSTA's types of transit vehicles (by manufacturer) by the years of manufacture for the vehicles was completed to determine whether any high levels of accident occurrence were associated with any particular segment of PSTA's fleet. Table 17 illustrates the results from this analysis for only PSTA's motorbus vehicles (i.e., no vans or supervisor vehicles) that were in operation during the 1996 fiscal year. This allows for the further comparison of accident occurrence with vehicle exposure as measured by FY 1996 NTD vehicle inventory data on "Total Miles on Active Vehicle During Period."

As shown in Table 17, of PSTA's 212 motorbus vehicle accidents that had both vehicle year and model information available, more than 33 percent involved a 1994 Gillig bus. Additionally, another 19 percent of these accidents involved a 1993 Flxible bus. These figures may lead one to believe that PSTA's 1993 Flxible and 1994 Gillig motorbus vehicles had some problem(s) or defect(s) that may have contributed to the high accident occurrence rates for these vehicles. However, a review of FY 1996 NTD vehicle exposure data shows that the 1993 Flxible and 1994 Gillig vehicles operated 21.2 percent and 30.3 percent of the system's total vehicle miles, respectively, and together would therefore be expected to have produced about one-half of the total motorbus accidents.

Table 17
Cross-Tabulation for Vehicle Manufacturer by Year of Manufacture

Year of Manufacture	Vehicle Manufacturer				
	Flxible	Gillig	GMC	Orion	Total
1980	0	0	14	0	14
1982	0	0	24	0	24
1983	14	0	6	0	20
1985	8	0	0	0	8
1986	1	0	0	0	1
1989	9	0	0	0	9
1991	0	7	0	0	7
1992	0	2	0	12	14
1993	41	0	0	0	41
1994	1	71	0	0	72
1995	0	1	1	0	2
Total	74	81	45	12	212

Summary of Cross-Tabulation Findings

Since the cross-tabs were completed only on selected data to gain a better understanding of the relationships between certain characteristics, it is difficult to draw significant conclusions on the entire accident database based on these analyses. However, the following observations were made based on the cross-tabulations that were examined.

- Routes 18 and 19 had the greatest incidence of sideswipe occurrences, with nine accidents each during 1996.
- Seventy-five percent of the head-on accidents that occurred in 1996 were preventable.
- Operators with 1-2 and 5-6 years of experience had the highest percentage (approximately 32 percent) of preventable accidents, among all drivers.
- Fifty-eight percent of the accidents attributed to drivers with less than one year of experience were sideswipe occurrences.

- The number of accident occurrences by vehicle type/year of manufacture corresponded to each vehicle type/year's exposure (i.e., total miles of service in 1996).

GEOGRAPHIC ANALYSIS OF ACCIDENT OCCURRENCE

Using MapInfo, a Geographic Information System (GIS) mapping software program for microcomputers, the location of each of the accidents with available data was plotted to help determine high accident occurrence locations. MapInfo is a Windows-based, comprehensive desktop tool that allows users to create and customize maps. Beyond the basic map design capabilities, it can also process database queries and import Microsoft Excel files. Thus, the type of data easily manipulated and displayed in MapInfo is unlimited. One database that is commonly utilized with MapInfo by government and planning agencies is the Bureau of the Census data. While such mapping software facilitates the geographic analysis of accident data, transit agencies that do not have MapInfo or a similar GIS mapping package (e.g., ArcVIEW) should enlist the assistance of any local government agencies that have such software (e.g., MPOs, RPCs, etc.) or should map their accident data manually. Currently, a complete copy of MapInfo Version 5.0 retails for approximately \$1,300, although some government discounts may be available.

The plotted data is illustrated in Figures 1 through 3, shown on the following three pages. Figure 1 displays the number of accidents by location for all of Pinellas County, while Figures 2 and 3 display the same information for the northern and southern halves of the county, respectively, in order to present the data with a higher level of geographic detail. It should be noted that, for purposes of these figures, only 215 of PSTA's total 234 accidents in 1996 had sufficient locational information to allow for plotting.

In order to summarize accident location similarities, accidents that occurred within 300 feet of a center point were combined as one location. Therefore, for those locations with more than one accident, the actual occurrences may not be exactly at the same intersection or geographic reference point, but occurred within 300 feet of one another. This 300-foot grouping of accident locations, while not precise, is still at a level of detail that will identify those sites of concern that should be analyzed for possible contributory characteristics.

Figure 1
1996 PSTA Accidents

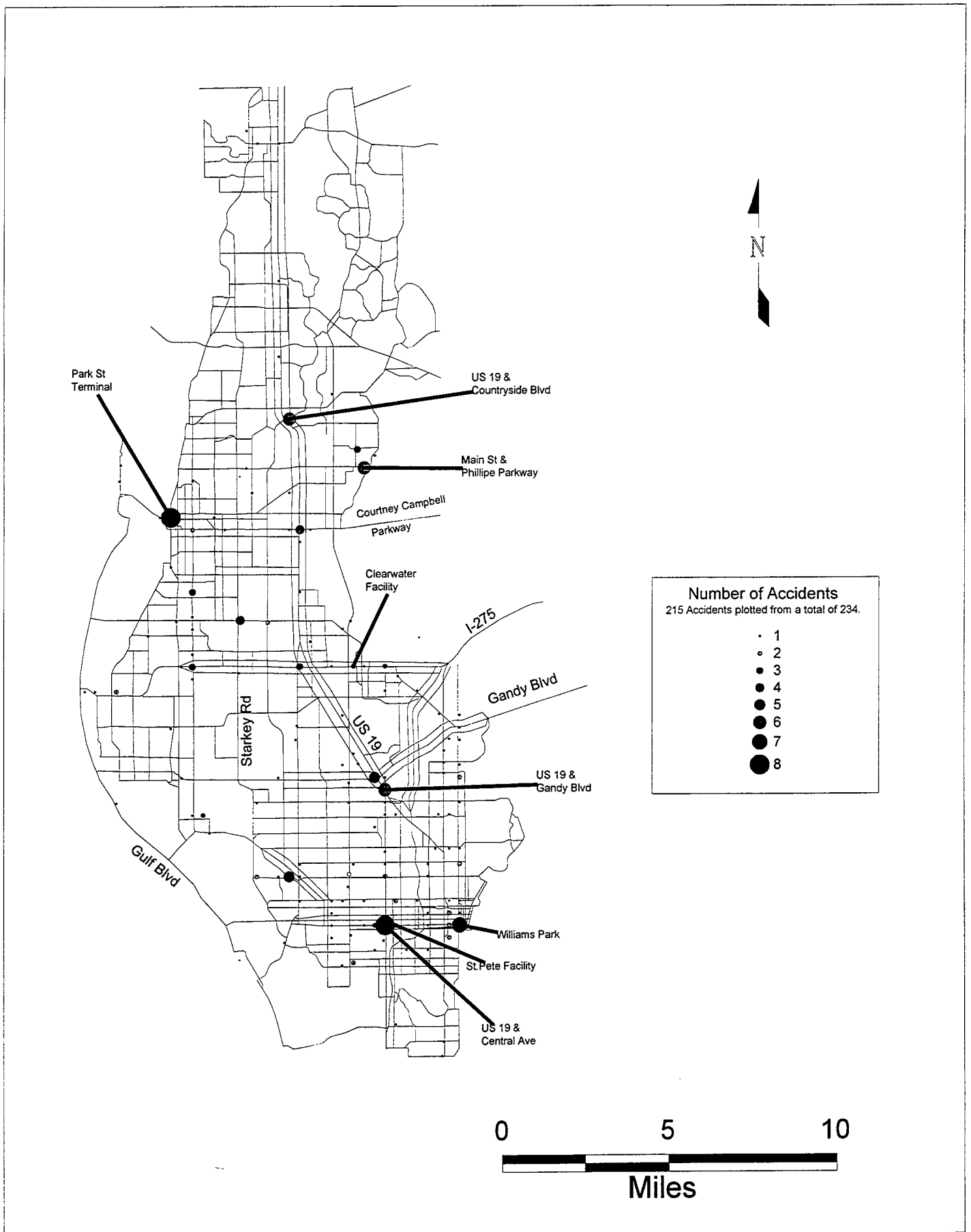


Figure 2
North Portion of Pinellas County
1996 PSTA Accidents

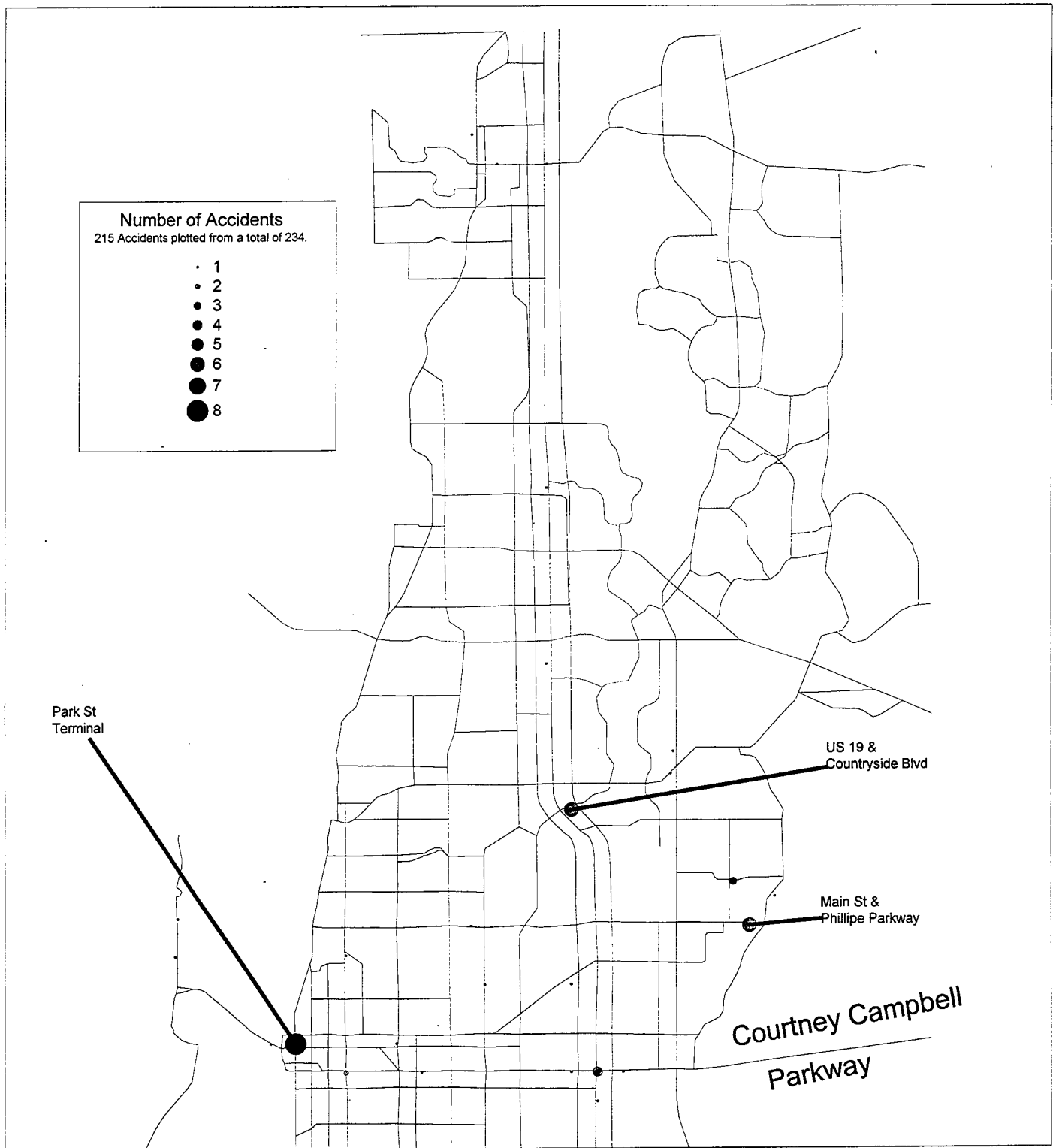
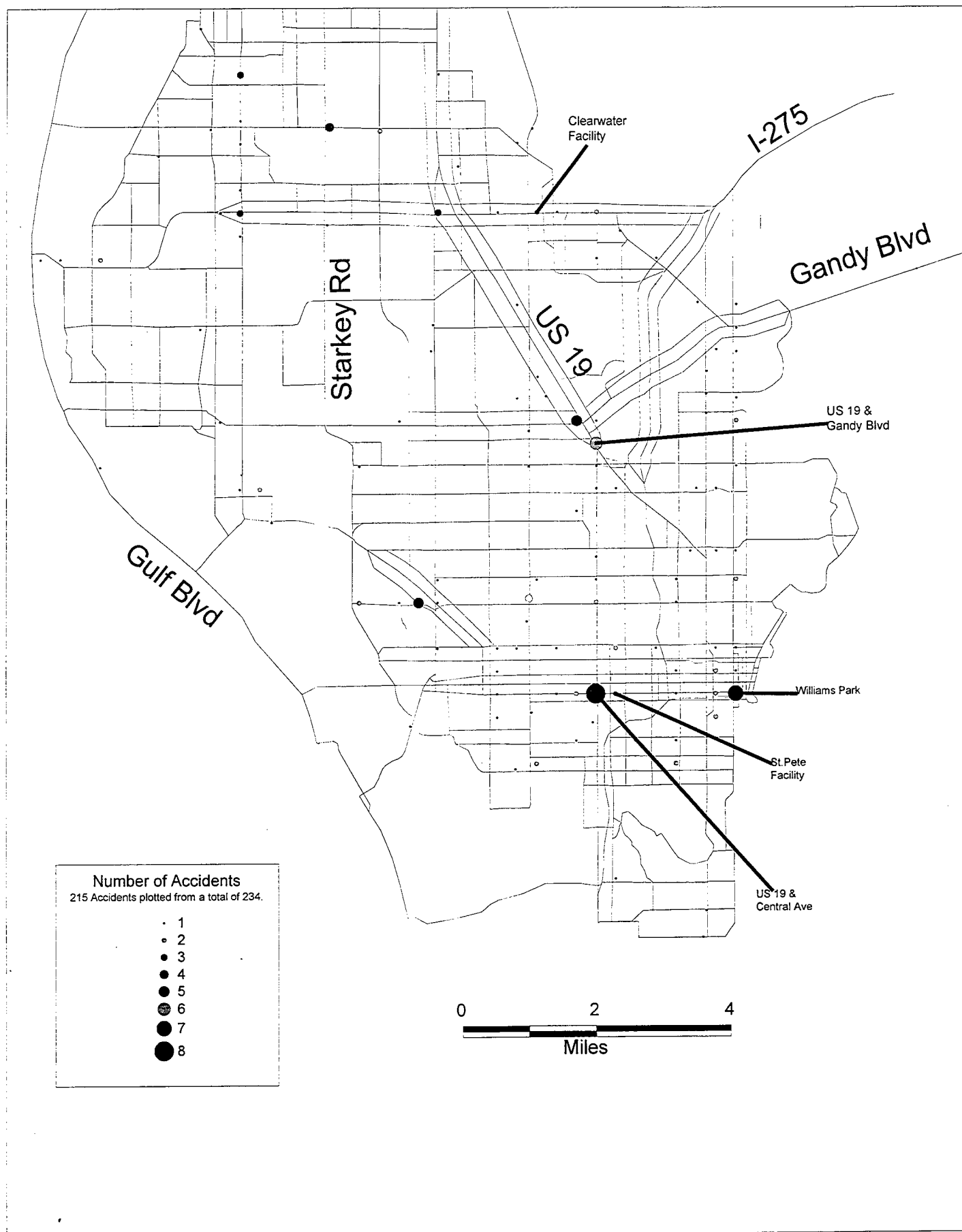


Figure 3
South Portion of Pinellas County
1996 PSTA Accidents



Frequency Analysis of Accident Location Data

As can be seen in the three figures, the majority of the accidents with locational information occurred in the southern portion of Pinellas County, specifically in the areas to the west and north of Downtown St. Petersburg. According to the key on each of the figures, accident locations are noted by different sized and colored circular symbols that reference the number of accidents at the locations (from 1 to 8 accidents). Those areas where six or more of the 1996 accidents occurred are labeled on the figures and are as follows:

- Main St. and Philippe Pkwy. (6 accidents)
- U.S. 19 and Countryside Blvd. (6 accidents)
- U.S. 19 and Gandy Blvd. (6 accidents)
- Williams Park (7 accidents)
- Park St. Terminal (8 accidents)
- U.S. 19 and Central Ave. (8 accidents)

Cross-Tabulation Analysis of Accident Location Data

The six areas with the greatest number of accident occurrences (i.e., six or more accidents) were further analyzed by performing cross-tabulations on location by all other occurrence characteristics. Following are the characteristics of note, if any, that were identified for the six high accident occurrence locations.

- Five of the eight (approximately 63 percent) accidents occurring at or near the intersection of U.S. 19 and Central Ave. were sideswipes. Frequency data for all of PSTA's accidents showed that sideswipes accounted for only 30 percent of accident impact dynamics.
- Similarly, four of seven (57 percent) accidents at or near Williams Park were sideswipes.
- Four of the eight (50 percent) accidents occurring at or near the Park St. terminal were preventable accidents, with three of the four being sideswipes. Frequency data for all of PSTA's accidents showed that only 22 percent of the accidents were preventable.
- Similarly, three of the six (50 percent) accidents occurring at or near the intersection of Main St. and Philippe Pkwy. were non-preventable accidents.

RECOMMENDATIONS

Based on the information collected in the survey of transit system operators related to system safety plans and accident tracking procedures, as well as the collection and analysis of PSTA's 1996 accident occurrence data, CUTR has identified five steps that should be followed by all of the Florida public transit systems when analyzing accident occurrence data and developing corrective action plans for addressing identified problem areas. The five steps are as follows:

1. Collection of the data
2. Preparation of the data for analysis
3. Analysis of the data
4. Interpretation of the results
5. Action plan to deal with identified issues/problems

The following sections outline CUTR's specific recommendations as they pertain to each of the five steps.

Data Collection

The first step involves the actual collection of accident occurrence data. As stated previously, while many accident occurrence characteristics must be collected for fault determination and related insurance claims, there is a core set of characteristics that are fundamental in analyzing a system's accident occurrence data for purposes of improving maintenance and/or training programs. It is recommended that the FDOT request that all of the Florida public transit systems collect the core set of accident occurrence characteristics that is detailed below. This will allow for not only similar analyses and comparisons between systems, but also for a comprehensive analysis of accident occurrence throughout the State.

- Date, day of week, and time of day of occurrence
- Specific location of occurrence (intersection, cross street, plaza, mall, other key location)
- Location of stop (near-side, far-side, mid-block)
- Roadway surface type (concrete, asphalt, brick, gravel)
- Roadway geometry (number of lanes, configuration, posted speed, traffic control)
- Roadway conditions (wet, dry, under repair, holes/ruts, muddy, no defects)
- Weather conditions (clear, cloudy, raining, foggy, other)
- Light conditions (daylight, glare, dawn, dusk, dark w/streetlights on, dark w/streetlights off, dark w/no streetlights)
- Traffic conditions (light, moderate, or heavy)

- Route number
- Vehicle type, manufacturer, and year of manufacture
- Observed vehicle defects prior to or at time of accident (steps, floors, seats, brakes, lights) and date of last scheduled preventative maintenance
- Operator hire date (to be used to calculate years of experience at time of occurrence)
- Operator status (regular operator, regular relief, vacation relief, mini-run, extra board, mechanic, supervisor, service attendant)
- Date of operator's last refresher training course
- Occurrence impact dynamic (head on, sideswipe, right angle, rear end, non-collision, bus hit other, bus was hit, other)
- Type of involvement (fixed object, moving vehicle, parked vehicle, pedestrian, cyclist, projectile)
- Transit vehicle movement prior to/at time of occurrence (going straight, turning left, turning right, pulling into curb or loading zone, pulling away from curb or loading zone, passing, being passed, changing lanes, merging, sudden stop, slowing/braking, stopped in traffic lane, stopped in loading zone, parked, backing, starting, other)
- Movement(s) of other vehicle(s) involved prior to/at time of occurrence (going straight, turning left, turning right, pulling into curb or loading zone, pulling away from curb or loading zone, passing, being passed, changing lanes, sudden stop, slowing/braking, stopped in traffic lane, stopped in loading zone, parked, backing, starting, other)
- Pedestrian/cyclist movement prior to/at time of occurrence (walking/running/riding with traffic, walking/running/riding against traffic, stationary, working in roadway, playing in roadway, unknown, other)
- Pedestrian/cyclist action related to location of occurrence
 - At intersection (in crosswalk, not in crosswalk, no crosswalk, with sign/ signal, against sign/signal, no sign/signal)
 - Not at intersection (crossing diagonally, crossing in front of vehicle, crossing from behind vehicle, getting in/out of other vehicle, crossing from between parked cars, other)
- Passenger movement prior to/at time of occurrence (waiting, boarding, alighting, standing in vehicle, moving in vehicle, sitting in vehicle, on lift, other)
- Observed condition of other driver/pedestrian/cyclist/passenger (influenced by alcohol/intoxicated, sober, sleepy/fatigued, infirmed, wearing glasses, carrying objects, with an observable disability, no observable disability, other)
- Contributory factors (vehicle double-parked, vehicle in crosswalk, pedestrian jaywalking, vehicle pulled out in front, vehicle parked at angle, vehicle parked in zone, other)

- Evasive action(s) taken by driver (hard braking, swerve, other)
- Preventability status of occurrence

It is extremely important to note once again that the previous items are recommended for individual system and statewide accident tracking analyses only. Although other occurrence-related information necessary for liability and/or insurance claim purposes is not specifically accounted for in the recommended "core set" of occurrence characteristics, it is up to the individual properties to include specific questions and/or sections on their accident/incident reports to collect this information. From the data that were collected as part of the survey portion of this project, one system--Tri-Met in Portland, Oregon--provided an excellent example of a set of accident/incident reporting forms that can serve as a useful model for accident data collection at the Florida properties. These forms are provided in Appendix D.

Further, it is also important to mention that any analysis is only as good as the data on which it is based. As such, it is very important to stress that all operators and supervisors complete all accident/incident report forms to the best of their ability. To ensure this, it is recommended that all operators and supervisors be trained on how to properly fill out the reports.

Data Preparation

The second step involves the input of the accident occurrence data into a format that can be readily analyzed for both frequency distributions and cross-tabulations. For example, the PSTA Case Study presented in this document utilized Microsoft Excel to create the initial database spreadsheet and Microsoft Access to analyze the data. Other software that can be used for these purposes include Lotus 1-2-3, Statistical Package for the Social Sciences (SPSS), or the SAS System statistical software package, among others. Once the data have been entered into an accident database, all efforts should be made to fill in missing data and ensure that all data have been entered correctly. In some cases, additional calculations may need to be made. For example, driver years of experience will need to be calculated using the operator hire dates.

Data Analysis

The third step of the process is to analyze the accident/incident database that has been developed. While systems should continually collect and monitor their accident occurrence data, the detailed analysis of the data should be undertaken on an annual basis. The analyses can be made using any of the software that was discussed in the previous section. Although the PSTA Case Study utilized Microsoft Excel and Access, the statistical software packages (e.g., SAS, SPSS) actually are more powerful analytical tools; however, they are more expensive options and also require greater user familiarity with the software capabilities and, in some cases, programming experience.

The first stage in the analysis process is to run frequency distributions on all of the data fields in the accident/incident database. A frequency distribution shows the number of occurrences and associated percentages for a data field. A frequency distribution, by itself, allows the analyst to identify the dominant accident characteristics, as well as those that may be unexpected or contrary to the "norm." From this type of analysis, alone, areas requiring corrective actions can be identified. However, there will be instances when a frequency will not pinpoint the causality behind an area of concern. Sometimes, a frequency analysis will identify a potential problem that really is not a concern when other information is considered. For example, in the PSTA Case Study, about 32 percent of the system's 1996 accidents occurred to/on a Gillig motorbus, the greatest percent occurrence among PSTA's vehicle manufacturers. Further analysis of PSTA's FY 1996 NTD data showed that 34 percent of the system's total vehicle miles were accumulated on these vehicles, thereby showing a slightly smaller level of accident involvement for these vehicles in comparison to their exposure.

In those cases when the frequency analysis does not provide enough insight into or cannot pinpoint the actual causal factors of a potential problem, it can be beneficial to undertake additional cross-tabulation analyses. The second stage of the analytical process, a cross-tabulation shows the number of occurrences and associated percentages for multiple data fields at the same time and can uncover important relationships between these data fields. For example, the frequency distribution of occurrence impact dynamics for PSTA's 1996 accidents showed that sideswipes encompassed the second highest (30 percent) type of impact. While important, this alone does not give a clear picture of the specific attributes of this particular type of impact. However, further information was gained by cross-tabulating impact dynamics by the operators' years of experience. This cross-tabulation determined that 58 percent of the sideswipe accidents could be attributed to drivers with less than one year of experience. This additional information can greatly assist PSTA in targeting training/re-training for lowering the incidence of this accident impact dynamic.

One note of caution is that not all data fields are related. To save time and effort, it is recommended that any cross-tabulation analysis be somewhat limited in scope--do not cross-tabulate every data field by every other data field. Conducting the frequency distribution analysis first can help direct which cross-tabulations should be completed.

Finally, the third stage of the analytical process is to geocode accident locations and review all occurrences geographically. As mentioned previously, MapInfo and ArcVIEW are two GIS packages that can be used for this type of analysis. Specifically, a geographic analysis would help identify those sites that have geometric design, signalization, or other characteristics that may make them more conducive to accident occurrence.

Data Interpretation

The fourth step of the process is to review all of the completed data analyses and attempt to interpret their results. As has been cautioned several times throughout this document, care must be taken when interpreting the raw data and the frequency distribution and cross-tabulation analyses. For example, a system may find that the vast majority of its accidents occurred on days with clear weather. Because of this, system analysts may ignore the impact of weather conditions on any subsequent analyses. However, it may have been the case that the service area experienced clear weather on the vast majority of its service days, so it would only make sense that clear conditions prevailed for the majority of the accidents. It may prove to be more diagnostic if the system would cross-tabulate weather conditions by accident impact dynamic and only analyze accidents that occurred on rainy days to see if a particular impact type occurred more frequently in inclement weather.

Action Plan

The fifth, and final, step of this process is to take corrective measures to deal with the identified areas of concern. Corrective actions that may result from the analyses may include:

- Training/re-training;
- Preventative maintenance;
- Vehicle specifications;
- Route alignment/modification;
- Roadway geometric/signalization improvements; and
- Passenger safety education.

Once systems have collected accident occurrence data for multiple years, identified accident data trends can be analyzed to determine the level of success of any corrective actions that have been undertaken during that time. If all of the Florida public transit systems begin to collect the core set of accident occurrence data recommended previously (along with any other data that they may need for insurance/liability purposes), then the data can be analyzed and compared across all systems as well as for the state as a whole. In addition, once the Florida properties have multiple years' worth of accident data, they will also be able to begin sharing the results of their respective system-level corrective actions implemented over time.

Appendix A

**PSTA 1996 Driver's Accident/Incident Report
and PSTA Supervisor Accident Report Forms**

PSTA DRIVER'S ACCIDENT/INCIDENT REPORT

DRIVERS NAME: G. [REDACTED] BUS/VEHICLE NO. 590426 ROUTE NO. 590426
 CHECK DIVISION ST. PETERSBURG OR CLEARWATER NUMBER OF PASSENGERS 2

1. TIME: DATE OF ACCIDENT/INCIDENT 2-3, 1996 DAY OF WEEK SAT HOUR 1:35 AM/PM

PLACE WHERE ACCIDENT/INCIDENT OCCURRED

2. LOCATION: ROAD ON WHICH ACCIDENT OCCURRED: Union Rd GIVE NAME OF STREET OR HIGHWAY NUMBER (U.S. OR STATE) _____
 AT ITS INTERSECTION WITH: Seminole NAME OF INTERSECTING STREET OR HIGHWAY NUMBER _____
 (CHECK AND COMPLETE ONE) OR

NOT AT INTERSECTION: _____ FEET NORTH-SOUTH _____ FEET EAST-WEST _____
 OF _____

SHOW NEAREST INTERSECTING STREET OR HIGHWAY, HOUSE NUMBER, CURVE, BRIDGE, RAILROAD CROSSING, ALLEY, DRIVEWAY, CULVERT, MILEPOST, UNDERPASS, OR OTHER IDENTIFYING LANDMARK. SHOW EXACT DISTANCE USING TWO DIRECTIONS AND TWO DISTANCES IF NECESSARY.

3. ACCIDENT INVOLVED: (CHECK APPROPRIATE AREAS)
 MOVING: ANOTHER COM'L VEHICLE ☒ PASSENGER CAR ☐ PEDESTRIAN ☐ OTHER ☐ SPECIFY OTHER _____
 FIXED: BUILDING OR FIXTURE ☐ PARKED VEHICLE ☐ OTHER ☐ SPECIFY OTHER _____
 DAMAGE TO PSTA VEHICLE (DESCRIBE) None

4. TYPE: (CHECK APPROPRIATE AREAS) HEAD ON ☐ REAR END ☐ PSTA HIT ☒ PSTA WAS HIT ☐
 SIDESWIPE ☐ OTHER (DESCRIBE) _____
 RIGHT ANGLE ☐

5. DRIVERS (NOT PSTA VEHICLE)
 DRIVER'S NAME _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____ PHONE() _____
 OWNER SAME AS DRIVER YES _____ NO, IF NOT: _____
 NAME OF OWNER _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____ PHONE() _____
 DRIVER'S NAME _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____ PHONE() _____
 OWNER SAME AS DRIVER YES _____ NO, IF NOT: _____
 NAME OF OWNER _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____ PHONE() _____

FOR OFFICE USE
 REPORT NO. _____
 ACCIDENT _____
 INCIDENT _____
 DAMAGE ESTIMATE _____
 POST ACC. INTERVIEW _____
 DATE RECEIVED DISP _____
 DATE RECEIVED SAFETY _____
 ACCIDENT TYPE _____

24

3833
 X1043

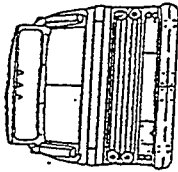
Accident Damage
 est. 02/21/96
 Prudential
 P.O. Box 17969
 Tampa 33682
 Blue sent 2/2/96

Too close

**DRIVERS AND PEDESTRIAN
PSYCHOLOGY**

ESTAB OTHER PEDESTRIAN		WEATHER		ROADWAY	
	INFLUENCED BY ALCOHOL		CLEAR		UNDER REPAIR
	HAD NOT BEEN DRINKING		RAINING		HOLES OR RUTS
	ASLEEP OR FATIGUED		FOG		SLIPPERY
	SICK		OTHER (PLEASE SPECIFY):		MUDDY
	PHYSICAL DEFECTS				NO DEFECTS
	NOT KNOWN				
	NO DEFECTS				

INDICATE AREAS OF DAMAGE TO YOUR BUS ON THE DIAGRAM BELOW:



DESCRIBE ACCIDENT OR INCIDENT IN DETAIL. LIST ADDITIONAL INJURED PERSONS OR WITNESSES. USE REVERSE OR ADDITIONAL PAPER (SAME SIZE) IF NECESSARY.

I was stopped at a bus stop when the bus was hit in the rear by another car.

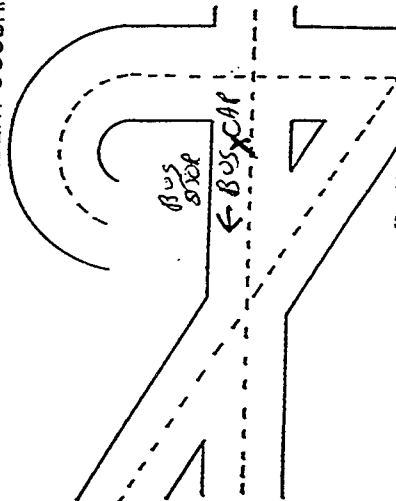
THIS IS A TRUE REPORT OF THIS ACCIDENT AND ALL INFORMATION HAS BEEN SUPPLIED TO THE BEST OF MY KNOWLEDGE.

PLEASE ILLUSTRATE ON THIS DIAGRAM HOW THE ACCIDENT OCCURRED

SIGNATURE OF DRIVER John J. ...

EMPLOYEE NUMBER 42763

PLEASE ILLUSTRATE ON THIS DIAGRAM HOW THE ACCIDENT OCCURRED.



PSTA SUPERVISOR'S ACCIDENT REPORT

I-24

DRIVERS NAME: [REDACTED]

BUS/VEHICLE NO. 9312

ROUTE NO. 59

SUPERVISOR'S NAME: B.A. Cook

CHECK DIVISION ST. PETERSBURG OR PSTA

(CLEARWATER)

NUMBER OF PASSENGERS 2

PHOTOS: ☒ YES ☐ NO

1. TIME: DATE OF

ACCIDENT/INCIDENT 02-03-96

19 96

DAY OF

WEEK Saturday

AM

TIME ARRIVED AT SCENE

AM/PM

1:35 PM

PLACE WHERE ACCIDENT OCCURRED

2. LOCATION: ROAD ON WHICH ACCIDENT OCCURRED:

Ulmerton

GIVE NAME OF STREET OR HIGHWAY NUMBER (U.S. OR STATE)

AT ITS INTERSECTION WITH:

Seminole Blvd.

NAME OF INTERSECTING STREET OR HIGHWAY NUMBER

(CHECK AND COMPLETE ONE)

OR

NOT AT INTERSECTION:

FEET

NORTH-SOUTH

15 FEET

OF intersection

EAST-WEST

SHOW NEAREST INTERSECTING STREET OR HIGHWAY, HOUSE NUMBER, CURVE, BRIDGE, RAILROAD CROSSING, ALLEY, DRIVEWAY, CULVERT, LAKE, POST, UNDERPASS, OR OTHER IDENTIFYING LANDMARK. SHOW EXACT DISTANCE, USING TWO DIRECTIONS AND TWO DISTANCES IF NECESSARY.

3. ACCIDENT INVOLVED:

CHECK APPROPRIATE AREAS

ANOTHER COM'L VEHICLE
PASSENGER CAR
PEDESTRIAN

BUILDING OR FIXTURE
PARKED VEHICLE

OTHER

4. TYPE:

CHECK
HEAD ON
SIDESWIPE
RIGHT ANGLE

REAR END

PSTA HIT

OTHER (DESCRIBE)

PSTA WAS HIT

NON-COLLISION (DESCRIBE)

APPROPRIATE AREAS

DAMAGE TO PSTA VEHICLE (DESCRIBE) none

5. DRIVERS

(NOT PSTA VEHICLE)

DRIVER'S NAME [REDACTED]
ADDRESS 11350 Regal LN
STATE FL ZIP 34644 CITY Largo

OWNER SAME AS DRIVER YES ☒ NO, IF NOT:
NAME OF OWNER GAY Beese
ADDRESS (SAME)
STATE FL ZIP PHONE()

DRIVER'S NAME
ADDRESS
STATE ZIP PHONE()

OWNER SAME AS DRIVER YES ☒ NO, IF NOT:
NAME OF OWNER
ADDRESS
STATE ZIP PHONE()

6. VEHICLES:

MAKE & MODEL Olds
 YEAR 92 STATE E TAG NUMBER _____
 INSURANCE COMPANY Prudential
 POLICY NUMBER 3447474613 # OF PASSENGERS 0
 DAMAGE TO VEHICLE _____
 PASSENGER NAME & ADDRESS _____
 PASSENGER NAME & ADDRESS _____
 PASSENGER NAME & ADDRESS _____

COFFEY #2

MAKE & MODEL _____
YEAR _____ STATE _____ TAG NUMBER _____
INSURANCE COMPANY _____
POLICY NUMBER _____ # OF PASSENGERS _____
DAMAGE TO VEHICLE _____
PASSENGER NAME & ADDRESS _____
PASSENGER NAME & ADDRESS _____

7. INJURED:

NAME	ADDRESS	CITY	STATE
None			

B. POLICE:

POLICE DEPARTMENT / 00613

9. WITNESSES:

[illegible]

0. MOVEMENT:

PSA	OTHER	VEHICLES
✓	▷	GOING STRAIGHT AHEAD
		PASSING
		BEING PASSED
		TURNING
		PULLING FROM CURB OR
		LOADING ZONE
		PULLING INTO CURB OR
		LOADING ZONE
		BACKING
		STOPPED IN TRAFFIC LANE

PEDESTRIAN	PASSENGER
WALKING WITH TRAFFIC	BOARDING VEHICLE
WALKING AGAINST TRAFFIC	ALIGHTING FROM VEHICLE
CROSSING AT INTERSECTION	CAUGHT IN FRONT DOOR
ALIGHTING FROM A VEHICLE	CAUGHT IN REAR DOOR
COMING FROM BEHIND	
PARKED VEHICLE	SEATED
WORKING IN ROADWAY	IN MOTION IN VEHICLE
PLAYING IN ROADWAY	

OTHER:

DIRECTION OF TRAVEL: NORTH EAST W SOUTH

DRIVERS AND PEDESTRIAN		WEATHER		ROADWAY	
INFLUENCED BY ALCOHOL	<input checked="" type="checkbox"/>	CLEAR		UNDER REPAIR	
HAD NOT BEEN DRINKING		RAINING		HOLES OR RUTS	
ASLEEP OR FATIGUED		FOG		SLIPPERY	
SICK		OTHER (PLEASE SPECIFY):		MUDDY	
PHYSICAL DEFECTS				NO DEFECTS	<input checked="" type="checkbox"/>
NOT KNOWN					
NO DEFECTS					

VEHICLES		PSYA	OTHER
PSYA/OTHER	DID NOT HAVE RIGHT-OF-WAY		
✓	FOLLOWING TOO CLOSELY		IMPROPER BACKING
	FAILURE TO SIGNAL INTENTIONS		IMPROPER TRAFFIC LANE
	SPEED TOO FAST FOR CONDITIONS		IMPROPER PARKING
	DISREGARDED TRAFFIC SIGNS OR SIGNALS		NO IMPROPER DRIVING
	IMPROPER PASSING		OTHER (PLEASE SPECIFY)
	IMPROPER TURNING		

Bus hit in rear no damage to PSTA
Vehicle. Officer issued ticket to other driver.
Citation for following too close

USE REVERSE OR ADDITIONAL PAPER (SAME SIZE) IF NECESSARY

Appendix B

**1996 PSTA Raw Accident Data
In Excel Table**

PSTA Accident Tracking
January 1996 to December 1996

#	Date	Day of Week	Time	Weather	Run #	Year of Trans.	Manuf.	Vehicle	Veh #	# of Pgrs	Conditions	Interact	Street Accident	Cross Street	Cross Street	Intersection	Type of	Nearside	Occurrence	Impact	Damage to Transit Veh.	Movement of Pedestrian(s)	Direction of Travel	# of Vehs Involved	# of Injuries	Total Estimate	Non-Prev (1) vs. Prev (2)	Operator Date of Hire	
1	01/02/96	Tues	2:55 PM	Clear	19	1996	1996	Gillig	8304	4	No Defects	I	2nd Ave. North	3rd St. North	4th St. North	Signalized	M	FO	MV	RA	Y	SB	N	W	1	1	0	12/12/94	
2	01/02/96	Tues	7:32 AM	Fog	4	19081	1988	Flxible	9428	3	Slippery	I	70th Ave. North	34th St. North	Howard Ct.	Signalized	M	FO	MV	RE	Y	NB	N	N	1	1	0	10/26/90	
3	01/03/96	Weds	1:45 PM	Rain	702	1995	1995	GMC (Van)	956	N/A	Under Repair	M	Old Coachman	70th Ave. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	N	1	0	\$1,929.12	1	03/15/89
4	01/04/96	Thur	2:00 PM	Clear	75	75011	1984	Gillig	9412	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	SS	SS	Y	NB	N	N	1	0	\$69.15	1	11/12/82
5	01/05/96	Fri	8:23 AM	Clear	52	52041	1983	Flxible	9306	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	09/19/83
6	01/09/96	Tues	7:30 AM	Clear	55	55011	1983	Flxible	9321	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	04/24/84
7	01/11/96	Thur	6:30 PM	Clear	68	68031	1983	Flxible	9315	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
8	01/12/96	Fri	8:46 AM	Clear	52	52042	1983	Flxible	9315	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
9	01/15/96	Mon	1:47 PM	Clear	23	23042	1982	GMC	1201	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
10	01/15/96	Mon	1:48 PM	Clear	66	66022	1989	GMC	1010	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
11	01/18/96	Thur	1:15 PM	Clear	66	66022	1989	GMC	1010	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
12	01/26/96	Fri	4:00 PM	Clear	29	29017	1984	Gillig	9427	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
13	01/26/96	Sun	8:00 AM	Clear	29	29017	1984	Gillig	9427	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
14	01/26/96	Sun	9:15 AM	Clear	18	18041	1993	Flxible	9307	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
15	01/26/96	Sun	9:15 AM	Clear	18	18041	1993	Flxible	9307	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
16	01/26/96	Sun	12:55 PM	Clear	81	81022	1993	Flxible	9301	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
17	01/26/96	Tues	4:45 PM	Clear	81	81022	1993	Flxible	9301	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
18	01/31/96	Weds	1:30 PM	Clear	N/A	N/A	1989	Dodge	9305	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
19	02/02/96	Fri	12:25 PM	Clear	59	59042	1993	GMC	705	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
20	02/03/96	Sat	1:35 PM	Clear	59	59042	1993	GMC	705	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
21	02/05/96	Mon	6:35 PM	Clear	100	10051	1994	Gillig	9431	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
22	02/05/96	Tues	2:25 PM	Clear	79	79022	1994	Gillig	9431	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
23	02/09/96	Fri	11:00 AM	Clear	80	80021	1995	Gillig	9435	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
24	02/10/96	Sat	5:45 PM	Clear	19	19028	1994	Gillig	9425	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
25	02/13/96	Tues	9:30 AM	Clear	5	30331	1994	Gillig	9419	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
26	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
27	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
28	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
29	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
30	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
31	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
32	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
33	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
34	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
35	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
36	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
37	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
38	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
39	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
40	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
41	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
42	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
43	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
44	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
45	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
46	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
47	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
48	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
49	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
50	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
51	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
52	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
53	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
54	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects	I	70th Ave. North	48th St. North	Howard Ct.	Narrow Bridge	M	MV	RE	Y	Y	NB	N	S	2	1		1	05/29/78
55	02/13/96	Tues	9:30 AM	Clear	N/A	N/A	1993	Flxible	8308	N/A	No Defects																		

PSTA Accident Tracking
January 1996 to December 1996

#	Date	Day of Week	Time	Weather	Conditions	Run #	Run #	Year of Transf	Veh	Type of Transf	# of Pgs	Roadway Conditions	Intrsc /Midbck	Street Accident Occurred	Cross Street	Cross Street	Type of Intersection	Nearside	Occurrence	Impact	Damage to Transit Veh	Movement of Pedestrian(s)	Direction of Travel	# of Vehs Involved	# of Injuries	Total Estimate	Non-Prev (1 vs. 2)	Operator Date of Hire
79	05/18/96	Sat	2:03 PM			9	90228	1992	Orion		4			9th St. North	11th Av. North				PASNGR	NC	N	N	N	1	1		1	10/14/78
80	05/21/96	Tues	10:30 AM			18	18071	1980	GMC		N/A			Sunshine Mall					PASNGR	NC	N	N	N	1	1	\$116.17	1	11/12/82
81	05/21/96	Tues	4:00 PM			63	63032	1980	GMC		N/A			Park St. Terminal					MV	SS	Y	N	N	1	1	\$247.51	1	05/16/84
82	05/21/96	Tues	4:00 PM			61	61022	1993	Flexible		2			Park St. Terminal					MV	RE	Y	S	S	1	1		1	04/14/80
83	05/22/96	Wed	11:25 AM	Clear		4	40131	1994	Gillig		15	No Defects		4th St.	3rd Av. South				PASNGR	NC	N	N	S	1	1		1	09/10/84
84	05/23/96	Thur	4:45 PM	Clear		15	70112	1992	Orion		6	N/A Muddy		40th St.	8th Av. South				PASNGR	NC	N	N	S	1	1		1	12/06/91
85	05/24/96	Fri	11:37 AM			52	52042	1980	GMC		8			Pinellas Square Mall					FO	NC	Y	E	S	1	1	\$70.00	2	04/03/84
86	05/26/96	Tues	10:20 AM			68	68031	1980	GMC		1014			Dodecanese Blvd.					PASNGR	NC	N	N	S	1	1	\$0.00	2	09/16/85
87	05/26/96	Tues	10:40 AM	Clear		18	18081	1993	Flexible		1317			Park St. Terminal					MV	RE	Y	S	S	1	1	\$709.78	2	10/19/87
88	05/31/96	Fri	8:20 PM			97	97021	1992	GMC		1201			PSTA Parking Lot					MV	NC	Y	S	S	2	2	\$36.27	1	05/31/88
89	06/01/96	Sat	12:55 PM	Clear		71	710216	1994	Gillig		9405	12 No Defects		Roosevelt Blvd.	Walsingham Rd.				OBJECT	NC	Y	S	S	1	1		1	01/18/79
90	06/01/96	Sat	12:55 PM	Clear		59	590126	1980	GMC		1011	2		Uimerton Rd.	I-275				MV	RE	Y	S	S	1	1	\$321.58	1	06/05/85
91	06/05/96	Wed	8:30 PM	Rain		23	230426	1992	GMC		1206	N/A No Defects		58th St.	9th Av. North				FO	NC	Y	W	W	1	1		1	05/23/78
92	06/05/96	Thur	6:12 AM	Clear		59	59031	1991	Gillig		9108	5 No Defects		Central Av.	49th St.				PASNGR	NC	Y	EB	W	1	1	\$0.00	2	05/16/96
93	06/07/96	Fri	2:50 PM	Clear		35	35012	1993	Flexible		8303	2 Under Repair		Roosevelt Blvd.	58th St. North				MV	RE	Y	W	W	1	1		1	11/22/93
94	06/08/96	Sat	6:00 AM	Clear		52	520216	1994	Gillig		9406	5 No Defects		Hercules	49th Av.				MV	NC	Y	SB	N	1	1		1	08/23/91
95	06/13/96	Thur	7:20 PM	Clear		76	76022	1993	GMC		702	3 No Defects		Williams Park	Sunsat Point Rd.				PASNGR	NC	Y	S	N	1	1		1	04/03/84
96	06/13/96	Thur	3:05 PM	Clear		35	35012	1992	GMC		1208	12 No Defects		Williams Park	177th Av.				MV	SS	Y	W	W	1	1	\$105.80	2	12/06/91
97	06/15/96	Sat	4:40 PM	Clear		18	180526	1994	Gillig		9423	18 No Defects		Seminole Mall					PASNGR	NC	Y	N	N	1	1		1	07/13/92
98	06/15/96	Sat	3:50 PM	Clear		74	74012	1994	Gillig		9412	8 No Defects		Park Blvd.	75th St.				OBJECT	NC	Y	WB	N	2	2	\$167.92	1	12/23/78
99	06/20/96	Tues	3:25 PM	Clear		75	75012	1994	Gillig		9419	10 No Defects		66th St. North	Tyrons Blvd.				PASNGR	NC	Y	S	S	1	1	\$0.00	1	03/18/85
100	06/20/96	Tues	9:00 AM	Clear		35	30331	1993	Flexible		9306	N/A No Defects		County Side Mall					FO	NC	Y	N	N	1	1	\$473.00	2	07/17/89
101	07/01/96	Mon	1:00 PM	Clear		73	73022	1992	Orion		9205	3		Pinellas Square Mall	26th Av. North				MV	RA	Y	N	N	1	1	\$593.64	2	07/23/74
102	07/03/96	Wed	11:55 AM	Rain		19	190427	1994	Gillig		9428	10 No Defects		9th St. North	1st Av. North				MV	RA	Y	N	N	1	1	\$0.00	1	02/12/96
103	07/04/96	Thur	3:00 PM	Clear		18	18032	1994	Gillig		9409	5 Slippery		Pinellas Square Mall	Burlington Av.				MV	SS	Y	NB	N	1	1	\$403.00	2	05/16/96
104	07/05/96	Fri	10:45 AM	Rain		79	790116	1994	Gillig		9407	3 Under Repair		49th St.	10th Av. South				MV	SS	Y	NB	N	1	1	\$30.80	1	12/30/85
105	07/05/96	Fri	8:25 AM	Clear		18	18082	1994	Gillig		9424	8 No Defects		Seminole Blvd.	122nd Av. North				MV	RA	Y	NB	N	1	1	\$763.65	1	04/09/84
106	07/05/96	Fri	2:00 PM	Clear		52	52021	1993	Flexible		9311	15		Tri City Plaza					MV	SS	Y	NB	N	1	1		1	04/10/89
107	07/05/96	Fri	11:00 AM	Clear		71	71011	1993	Flexible		9309	1		Walsingham Rd.					MV	SS	Y	EB	E	1	1		1	01/18/82
108	07/05/96	Fri	11:25 AM	Clear		71	71012	1994	Gillig		9405	11 No Defects		Bay Pines Blvd.	101st Av.				PASNGR	NC	Y	N	E	1	1	\$135.38	2	05/31/88
109	07/13/96	Sat	8:58 AM	Clear		66	660426	1993	Flexible		9308	5 No Defects		8th Av. South West	Nolan Rd.				PASNGR	NC	Y	N	E	1	1	\$24.27	1	12/06/91
110	07/13/96	Sat	8:58 AM	Clear		14	140116	1994	Gillig		9307	4		Central Av.	33rd St.				FO	NC	Y	E	E	1	1	\$1,173.57	1	05/27/86
111	07/16/96	Wed	8:00 AM	Clear		19	19051	1993	Flexible		8307	N/A		Tarpon Mall					MV	RE	Y	E	E	1	1	\$0.00	1	04/07/74
112	07/16/96	Wed	8:00 AM	Clear		59	59041	1980	GMC		1203	12		Uimerton Rd.	66th St.				PASNGR	NC	Y	N	N	1	1		1	01/06/81
113	07/17/96	Thurs	7:28 AM	Clear		52	52011	1992	GMC		1203	N/A		Roosevelt Blvd.	28th Av. North				PASNGR	NC	Y	N	N	1	1		1	05/27/86
114	07/18/96	Thurs	5:20 PM	Clear		16	16021	1994	Gillig		9422	7		16th St. North	94th Av. North				PASNGR	NC	Y	N	N	1	1		1	01/28/85
115	07/18/96	Thurs	5:20 PM	Clear		4	40152	1993	Flexible		8304	1		4th St. North	98th Av. North				PASNGR	NC	Y	N	N	1	1	\$0.00	1	05/07/79
116	07/25/96	Fri	12:40 PM	Clear		79	79032	1992	Orion		9206	N/A		Uimerton Rd.	36th St. North				MV	RE	Y	EB	S	1	1		1	05/23/78
117	07/26/96	Fri	6:31 AM	Clear		66	66031	1985	Flexible		1014	1 No Defects		Pinellas Square Mall	9th St. North				MV	SS	Y	E	E	1	1		1	10/27/78
118	07/26/96	Fri	6:31 AM	Clear		52	520226	1994	Gillig		9416	18		Sky Harbor	U.S. 19 North				PASNGR	NC	Y	N	N	2	2	\$1,597.77	1	09/04/92
119	07/29/96	Tues	12:00 PM	Rain		60	60021	1994	Gillig		9403	4		Gulf to Bay	30th Av. North				MV	SS	Y	EB, SB	N	1	1		1	01/10/84
120	07/29/96	Tues	5:05 PM	Clear		53	53011	1993	Flexible		9318	12 No Defects		49th St. North	31st St. North				MV	SS	Y	N	N	1	1	\$1,845.37	1	01/22/93
121	08/05/96	Fri	8:30 AM	Clear		66	66032	1980	GMC		1014	N/A No Defects		Indian Rocks Rd.	Walsingham Rd.				FO	NC	Y	NB	W	1	1	\$180.00	1	05/31/88
122	08/19/96	Mon	4:15 PM	Clear		19	19081	1985	Flexible		1005	7 No Defects		U.S. 19	Congress Av.				MV	RE	Y	SB	S	1	1	\$0.00	1	06/17/96
123	08/20/96	Tues	6:15 AM	Dark		44	44441	1991	Gillig		9107	8		82nd Av. North	52nd St.				PASNGR	NC	Y	SB	S	1	1		1	09/25/89
124	08/20/96	Tues	11:50 AM	Clear		11	110131	1989	Flexible		8912	6 No Defects		Bay Esplanade	62nd Av. North				MV	SS	Y	SB	S	1	1		1	12/17/75
125	08/20/96	Tues	7:18 PM	Clear		80	80021	1994	Gillig		9419	9 No Defects		U.S. 19	Iris				MV	RA	Y	SB	N	1	1		1	02/17/79
126	08/22/96	Thurs	10:49 AM	Clear		35	35012	1992	GMC		1208	N/A		Tyrone Sq. Mall	Central Av.				PASNGR	NC	Y	N	N	1	1		1	10/27/78
127	08/23/96	Fri	10:05 AM	Clear		18	18051	1994	Gillig		9423	10 No Defects		Tyrone Sq. Mall	66th St.				MV	RE	Y	WB	W	1	1	\$267.99	1	11/28/84
128	08/26/96	Mon	3:00 PM	Clear		59	59042	1985	Flexible		1011	2 No Defects		Clearwater Fund Sch					FO	NC	Y	NB	N	1	1	\$206.00	1	02/26/86
129	08/26/96	Mon	2:14 PM	Clear		94	94041	1983	Flexible		8306	N/A		Mandaley	McMullen Booth Rd.				MV	RE	Y	NB	N	1	1	\$76.27	1	06/31/87
130	08/26/96	Mon	7:45 AM	Clear		67	67021	1985	Flexible		1012	5 No Defects		S.R. 580					MV	SS	Y	EB	N	1	1		1	10/26/91
131	08/29/96	Thurs	3:05 PM	Clear		23	23012	1994	Gillig		9432	2		Tyrone Sq. Mall					PASNGR	NC	Y	EB	E	1	2	\$280.00	1	03/07/94
132	09/01/96	Sun	3:35 PM	Clear		4	401217	1997	New Flyer		9423	12 No Defects		Williams Park					PASNGR	NC	Y	N	N	1	1		1	08/03/92
133	09/02/96	Mon	1:45 PM	Clear		52	520217	1993	Flexible		9315	18		Fort Harrison					MV	SS	Y	SB	N	1	1	\$352.00	2	01/08/85
134	09/03/96	Tues	2:20 PM	Clear		18	18082	1989	Flexible		8914	15 No Defects		Missouri Av.	Park St.				MV	RE	Y	SB	N	1	1		1	05/09/83
135	09/08/96	Fri	6:10 PM	Clear		78	78042	1993	Flexible		706	6		Palmetto St.	County Side Mall				PASNGR	NC	Y	N	E	1	1		1	07/21/88
136	09/09/96	Mon	4:55 PM	Rain		94	94051	1993	Flexible		704	N/A		U.S. 19					FO	NC	Y	WB	S	1	1		1	06/04/90
137	09/09/96	Mon	5:30 PM	Clear		5	30111	1993	Flexible		9318	12 No Defects		31st St. North	5th Av. North													

PSTA Accident Tracking January 1998 to December 1998

# - Date	Day of Week	Time	Weather	Conditions	Rt. Run	Veh. #	Year of Trans.	Vehicle	Manuf.	Run	# of Prgs	Roadway Conditions	Instrn. / Midblock	Street Accident Occurred	Cross Street	Cross Street	Type of Intersection	Nearside Far Side	Occurrence	Impact	Damage to Transit Veh.	Movement of Involved Veh(s)	Direction of Travel	# of Vehs Involved	# of Injuries	Total Estimate of Damage	Non-Prev (1) vs. Prev (2)	Operator Date of Hire
157 09/19/98	Thur	7:00 PM	Clear		7	70112	1992	Onion			8205	12 No Defects		12th Av. South	26th St. South			PDSTRN	NC	N	Y	E	1	1	\$250.00	1	09/04/92	
158 09/19/98	Thur	7:30 AM					1994	Gillig			9413	N/A		Umerton Rd.	66th St. North			FO	NC	Y		N		1	1	\$134.00	1	05/18/92
159 09/22/98	Sun						1991	Gillig			9102	N/A		Garage				FO	NC	Y		N		1	1	\$29.35	1	04/09/79
160 09/23/98	Mon	8:43 AM	Clear		76	79031	1994	Gillig			9428	4 No Defects		Umerton Rd.	49th St. North			NC	SS	Y		NB		1	1	\$868.23	1	06/09/96
161 09/24/98	Tues	8:48 PM	Clear		52	82082	1992	Int'l			1221	7 No Defects		62nd St. North	150th Av. North			NC	SS	Y		WB		1	1	\$0.00	2	04/09/85
162 09/25/98	Wed	4:10 PM	Clear		76	83022	1988	GMC			1008	8 Under Repair		U.S. 19	Countryside Mall			NC	RE	Y		WB		1	1	\$104.00	1	11/16/87
163 09/26/98	Thur	4:00 PM			30		1992	Onion			9202	N/A		2nd St. North	5th Av. North			NC	NC	Y		S		1	1	\$68.02	2	08/11/80
164 09/26/98	Thur	11:55 AM	Clear		18	18011	1981				9303	5 No Defects		Missouri Av.	4th Av. Northeast			NC	RE	Y		S		1	1	\$45.22	1	12/18/89
165 09/26/98	Thur	12:00 PM	Clear		19	19011	1984	Gillig			9417	20 No Defects		Countryside Mall				PSTA	NC	Y		N		1	1		1	
166 09/26/98	Thur	12:00 PM	Clear		67	67021	1992	GMC			707	N/A		Countryside Mall				NC	SS	Y		N		1	1		1	
167 09/27/98	Fri	12:25 PM	Clear		80	80011	1988	GMC			1204	15 No Defects		U.S. 19	69th Av. North			NC	SS	Y		NB		1	1		1	
168 09/27/98	Fri	9:15 AM	Clear		4	40126	1993	Flexible			9319	2 No Defects		U.S. 19	26th Av. North			NC	SS	Y		N		1	1		1	
169 09/28/98	Sat	10:05 AM	Clear		82		1993	Flexible			9312	10 No Defects		4th St. North				NC	SS	Y		N		1	1		1	
170 09/30/98	Mon	10:05 AM	Clear		74	59021	1993	Flexible			704	10 No Defects		Park Blvd.				NC	SS	Y		N		1	1		1	
171 10/01/98	Tues	5:25 PM	Clear		61	61012	1994	Gillig			9419	N/A		Umerton Rd.	62nd St. North			NC	SS	Y		N		1	1		1	
172 10/02/98	Wed	5:15 PM	Clear		174	1004/98	1994	Gillig			1207	8 Slippery		PSTA Ltr #17	113th St.			NC	SS	Y		N		1	1		1	
173 10/04/98	Fri	2:08 PM	Rain		4	40122	1992	GMC			1005	7 Slippery		Pinellas Square Mall	Joyce Terrace North			NC	SS	Y		N		1	1		1	
174 10/04/98	Fri	2:30 PM			59	59052	1985	Flexible			1207	8 Slippery		Pinellas Square Mall				NC	SS	Y		N		1	1		1	
175 10/08/98	Tues	2:05 PM			19	19052	1993	Flexible			9306	25		Umerton Rd.				NC	SS	Y		N		1	1		1	
176 10/09/98	Tues	4:07 PM	Clear		59	59042	1985	Flexible			1011	4 No Defects		Pinellas Square Mall				NC	SS	Y		N		1	1		1	
177 10/09/98	Wed	2:05 PM	Clear		18	18052	1993	Flexible			9317	13		Umerton Rd.				NC	SS	Y		N		1	1		1	
178 10/10/98	Thur	3:25 PM	Clear		18	18052	1993	Flexible			9302	3		U.S. 19				NC	SS	Y		N		1	1		1	
179 10/13/98	Sun	7:30 PM			18	180207	1993	Flexible			9306	5		1st Av. South				NC	SS	Y		N		1	1		1	
180 10/14/98	Mon	10:10 AM	Clear		11	11012	1989	Flexible			8908	4 No Defects		Haines Rd.				NC	SS	Y		N		1	1		1	
181 10/17/98	Thur	3:10 PM	Clear		4	40112	1993	Flexible			9313	5 Holes or Ruts		U.S. 19				NC	SS	Y		N		1	1		1	
182 10/19/98	Sat	5:10 PM	Clear		184	1024/98	1993	Flexible			9424	N/A		9th St. North				NC	SS	Y		N		1	1		1	
183 10/21/98	Mon	11:31 AM			52	52062	1993	Flexible			9315	13 No Defects		Park St.				NC	SS	Y		N		1	1		1	
184 10/24/98	Thur	3:35 PM	Clear		18	18042	1994	Gillig			9410	15 No Defects		Central Av.				NC	SS	Y		N		1	1		1	
185 10/20/98	Wed	2:23 PM	Clear		23	23032	1993	Flexible			8303	N/A		22nd Av. South				NC	SS	Y		N		1	1		1	
186 11/01/98	Fri	7:00 PM	Clear		23	23032	1993	Flexible			9428	N/A		22nd Av. South				NC	SS	Y		N		1	1		1	
187 11/01/98	Fri	7:00 PM	Clear		23	23032	1993	Flexible			9428	N/A		22nd Av. South				NC	SS	Y		N		1	1		1	
188 11/01/98	Fri	7:00 PM	Clear		23	23032	1993	Flexible			9428	N/A		22nd Av. South				NC	SS	Y		N		1	1		1	
189 11/02/98	Sat	9:25 AM	Clear		78	78011	1993	Flexible			8904	7 No Defects		22nd Av. North				NC	SS	Y		N		1	1		1	
190 11/02/98	Sat	9:25 AM	Clear		94		1993	Flexible			8304	N/A		Missouri Av.				NC	SS	Y		N		1	1		1	
191 11/04/98	Mon	2:05 PM	Clear		18	18042	1994	Gillig			9410	19 No Defects		2nd Av. North				NC	SS	Y		N		1	1		1	
192 11/05/98	Tues	2:40 PM	Clear		4	40112	1993	Flexible			9313	48 No Defects		Boca Ciega High				NC	SS	Y		N		1	1		1	
193 11/07/98	Thur	1:25 PM	Rain		23	23012	1994	Gillig			9417	12 Slippery		U.S. 19				NC	SS	Y		N		1	1		1	
194 11/07/98	Thur	1:00 PM	Rain		19	19012	1994	Gillig			9417	7		9th St. South				NC	SS	Y		N		1	1		1	
195 11/09/98	Fri	11:35 AM	Clear		52		1993	Flexible			9315	2 No Defects		58th Av. South				NC	SS	Y		N		1	1		1	
196 11/09/98	Fri	11:35 AM	Clear		11	110116	1992	GMC			1217	N/A		PSTA Parking Lot				NC	SS	Y		N		1	1		1	
197 11/10/98	Sun	11:30 PM			702						702	N/A		1st Av. South				NC	SS	Y		N		1	1		1	
198 11/10/98	Sun	11:30 PM			702						702	N/A		1st Av. South				NC	SS	Y		N		1	1		1	
199 11/10/98	Sun	11:30 PM			18	18042	1994	Gillig			9410	10		Williams Park				NC	SS	Y		N		1	1		1	
200 11/13/98	Wed	3:35 PM	Clear		18	18052	1994	Gillig			9423	8		22nd St. North				NC	SS	Y		N		1	1		1	
201 11/14/98	Thur	2:05 PM	Clear		18	18012	1992	Onion			9208	7 No Defects		Central Av.				NC	SS	Y		N		1	1		1	
202 11/15/98	Fri	8:50 AM	Clear		5	30331	1994	Gillig			9429	9		Central Av.				NC	SS	Y		N		1	1		1	
203 11/15/98	Fri	8:50 AM	Clear		67	67022	1993	GMC			9408	33 No Defects		Central Av.				NC	SS	Y		N		1	1		1	
204 11/17/98	Sun	5:25 PM	Clear		74	59012	1992	Gillig			9408	8 No Defects		Westlinks Apts.				NC	SS	Y		N		1	1		1	
205 11/19/98	Tues	12:10 PM	Clear		16	16022	1994	Gillig			9422	8 No Defects		6th St. North				NC	SS	Y		N		1	1		1	
206 11/19/98	Tues	10:50 AM	Clear		19	19022	1993	GMC			1201	12 No Defects		U.S. 19				NC	SS	Y		N		1	1		1	
207 11/21/98	Thur	11:15 AM	Clear		9	90511	1993	Flexible			8314	8		6th St. North				NC	SS	Y		N		1	1		1	
208 11/21/98	Thur	11:15 AM	Clear		52	52051	1993	Flexible			8308	10		57th Av. North				NC	SS	Y		N		1	1		1	
209 11/21/98	Thur	10:20 AM	Clear		18	18081	1992	GMC			9423	5 No Defects		East Bay Dr.				NC	SS	Y		N		1	1		1	
210 11/21/98	Thur	8:50 AM	Clear		18	18051	1994	Gillig			9423	5 No Defects		Central Av.				NC	SS	Y		N		1	1		1	
211 11/22/98	Fri	11:03 AM	Clear		18	18051	1994	Gillig			9423	9 No Defects		32nd St.				NC	SS	Y		N		1	1		1	
212 11/22/98	Fri	6:05 AM	Clear		73	73011	1989	GMC			1007	N/A		54th Av. North				NC	SS	Y		N		1	1		1	
213 11/26/98	Mon	7:45 AM	Clear		76	76011	1993	Flexible			8304	3 No Defects		Starkey Rd.				NC	SS	Y		N		1	1		1	
214 11/26/98	Mon	11:50 AM	Clear		19	19022	1994	Gillig			9411	16		Cleveland St.				NC	SS	Y		N		1	1		1	
215 11/26/98	Thur	4:50 PM	Clear		18	18032	1993	Flexible			9411	N/A		U.S. 19				NC	SS	Y		N		1	1		1	
216 12/05/98	Fri	10:30 AM	Clear		14	140117	1994	Gillig			9432	16		Tyrene Sq Mall				NC	SS	Y		N		1	1		1	
217 12/06/98	Fri	3:25 PM	Clear		27	27012	1989	Flexible			8908	3 Under Repair		Central Av.				NC	SS	Y		N		1	1		1	
218 12/08/98	Sun	10:50 AM	Clear		18	18051	1994	Gillig			9423	8		18th Av. South				NC	SS	Y		N		1	1		1	
219 12/08/98	Sun	2:15 PM	Clear		27	27012	1989	Flexible			8908	3 Under Repair		48th St. South				NC	SS	Y		N		1	1		1	
220 12/10/98	Tues	9:00 AM	Clear		18	18021	1994	Gillig			940																	

Appendix C

Raw Frequency Table

VEH TYPE	Total Of ID
Missing	9
Fixble	74
Dodge	1
Gillig	81
GMC	45
Orion	12
Ford	1
International	1
GMC (Van)	1
Jeep	2
New Flyer	7

Appendix D

**Example of Accident/Incident Report Forms
Tri-Met - Portland, OR**



Supervisor Accident/Incident Report

COPY

PAGE: _____ OF _____ PAGES

TRI-MET

SUPERVISOR: _____

DISP. INC. NO.: _____

CLAIM NO.: _____

DATE OF ACCIDENT	TIME	LOCATION	AT <input type="checkbox"/> NEAR <input type="checkbox"/>	CITY
IF NOT AT INTERSECTION (INTERSECTING HIGHWAY OR ST., LANDMARK OR HOUSE NO.)		MILE POST	MILES	NEAREST CITY
N S E W		N S E W	OF	

1 TRI-MET VEHICLE #1				
OPERATOR (LAST, FIRST, M.I.)		NO.	TESTED	
LINE/TRAIN	VEHICLE NO.	TYPE	UIC NO. E-	YES <input type="checkbox"/> NO <input type="checkbox"/>
INJURIES		ASSAULT		YES <input type="checkbox"/> NO <input type="checkbox"/>
TAKEN TO		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>
DAMAGE DESCRIPTION		NO. OF PASS:		YES <input type="checkbox"/> NO <input type="checkbox"/>
REMOVED BY		VALID DRIVER'S LICENSE		YES <input type="checkbox"/> NO <input type="checkbox"/>
INDICATE LOCATION OF DAMAGE, POINT OF IMPACT OR FALL				

2 WITNESSES				
NAME	PHONE	CITY	STATE	
ADDRESS				
NAME	PHONE	CITY	STATE	
ADDRESS				
NAME	PHONE	CITY	STATE	
ADDRESS				
NAME	PHONE	CITY	STATE	
ADDRESS				
NAME	PHONE	CITY	STATE	
ADDRESS				
NAME	PHONE	CITY	STATE	
ADDRESS				

3 OTHER VEHICLE #2 <input type="checkbox"/> MULTIPLE VEHICLE (SEE ADDITIONAL FORM)				
DRIVER (LAST, FIRST, M.I.)		NO.	TESTED	
ADDRESS	CITY	STATE	UIC NO. E-	YES <input type="checkbox"/> NO <input type="checkbox"/>
DRIVER'S LICENSE NO.		ASSAULT		YES <input type="checkbox"/> NO <input type="checkbox"/>
VEHICLE MAKE		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>
YEAR		NO. OF PASS:		YES <input type="checkbox"/> NO <input type="checkbox"/>
COLOR		VALID DRIVER'S LICENSE		YES <input type="checkbox"/> NO <input type="checkbox"/>
REGISTERED OWNER		REMOVED BY		
OWNER'S ADDRESS		POLICY NUMBER		
INSURANCE COMPANY		TAKEN TO		
INJURIES		NO. OF PASSENGERS		
DAMAGE DESCRIPTION		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>
INDICATE LOCATION OF DAMAGE OR POINT OF IMPACT:				

4 INJURIES VEHICLE #				
NAME (LAST, FIRST, M.I.)		D.O.B.	PHONE	
ADDRESS	CITY	STATE	F <input type="checkbox"/> M <input type="checkbox"/>	
INJURIES		LOCATION OF PASSENGER		
TAKEN TO		REMOVED BY		
VEHICLE #				
NAME (LAST, FIRST, M.I.)		D.O.B.	PHONE	
ADDRESS	CITY	STATE	F <input type="checkbox"/> M <input type="checkbox"/>	
INJURIES		LOCATION OF PASSENGER		
TAKEN TO		REMOVED BY		

[illegible]

COPY

Supervisor Accident/Incident Report
Supplemental Form

DATE OF ACCIDENT: _____ OPERATOR: _____ SUPERVISOR: _____ DISP. INC. NO.: _____ CLAIM NO.: _____

NO.	LINE/TRAIN	VEHICLE NO.	TYPE	LC. NO.	E.
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1 OTHER VEHICLE #3											
DRIVER (LAST, FIRST, M.I.)					D.O.B.		F.D. M.D.		STATE		
ADDRESS					CITY		PHONE		STATE		
DRIVER'S LICENSE NO.					STATE		PHONE		STATE		
VEHICLE MAKE					YEAR		COLOR		LICENSE NO.		
REGISTERED OWNER					YEAR		COLOR		STATE		
OWNER'S ADDRESS					CITY		PHONE		STATE		
INSURANCE COMPANY					POLICY NUMBER		NO. OF PASSENGERS		YES <input type="checkbox"/> NO <input type="checkbox"/>		
TAKEN TO					REMOVED BY		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
INJURIES					NO. OF PASSENGERS		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
DAMAGE DESCRIPTION					NO. OF PASSENGERS		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
INDICATE LOCATION OF DAMAGE OR POINT OF IMPACT:										YES <input type="checkbox"/> NO <input type="checkbox"/>	
										MOTORCYCLE <input type="checkbox"/> BICYCLE <input type="checkbox"/>	

2 INJURIES VEHICLE #											
NAME (LAST, FIRST, M.I.)					D.O.B.		PHONE		F.D. M.D.		
ADDRESS					CITY		PHONE		STATE		
INJURIES					LOCATION OF PASSENGER		NO. OF PASSENGERS		YES <input type="checkbox"/> NO <input type="checkbox"/>		
TAKEN TO					REMOVED BY		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
3 INJURIES VEHICLE #											
NAME (LAST, FIRST, M.I.)					D.O.B.		PHONE		F.D. M.D.		
ADDRESS					CITY		PHONE		STATE		
INJURIES					LOCATION OF PASSENGER		NO. OF PASSENGERS		YES <input type="checkbox"/> NO <input type="checkbox"/>		
TAKEN TO					REMOVED BY		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
4 OTHER VEHICLE #4											
DRIVER (LAST, FIRST, M.I.)					D.O.B.		F.D. M.D.		STATE		
ADDRESS					CITY		PHONE		STATE		
DRIVER'S LICENSE NO.					STATE		PHONE		STATE		
VEHICLE MAKE					YEAR		COLOR		LICENSE NO.		
REGISTERED OWNER					YEAR		COLOR		STATE		
OWNER'S ADDRESS					CITY		PHONE		STATE		
INSURANCE COMPANY					POLICY NUMBER		NO. OF PASSENGERS		YES <input type="checkbox"/> NO <input type="checkbox"/>		
TAKEN TO					REMOVED BY		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
INJURIES					NO. OF PASSENGERS		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
INDICATE LOCATION OF DAMAGE OR POINT OF IMPACT:										YES <input type="checkbox"/> NO <input type="checkbox"/>	
										MOTORCYCLE <input type="checkbox"/> BICYCLE <input type="checkbox"/>	
5 INJURIES VEHICLE #											
NAME (LAST, FIRST, M.I.)					D.O.B.		PHONE		F.D. M.D.		
ADDRESS					CITY		PHONE		STATE		
INJURIES					LOCATION OF PASSENGER		NO. OF PASSENGERS		YES <input type="checkbox"/> NO <input type="checkbox"/>		
TAKEN TO					REMOVED BY		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		
6 INJURIES VEHICLE #											
NAME (LAST, FIRST, M.I.)					D.O.B.		PHONE		F.D. M.D.		
ADDRESS					CITY		PHONE		STATE		
INJURIES					LOCATION OF PASSENGER		NO. OF PASSENGERS		YES <input type="checkbox"/> NO <input type="checkbox"/>		
TAKEN TO					REMOVED BY		CITATION		YES <input type="checkbox"/> NO <input type="checkbox"/>		



Supervisor Accident/Incident Report Supplemental Form

TRI-MET

SUPERVISOR: _____ DISP. INC. NO. _____

DATE OF ACCIDENT _____ OPERATOR _____

CLAIM NO. _____

NO. _____

LINE/RAIN _____

VEHICLE NO. _____

TYPE _____

LC. NO. _____

E. _____

1 PASSENGER ACCIDENT

NAME (LAST, FIRST, M.I.)		D.O.B.		F.D. NO.	
ADDRESS		CITY		STATE	
INJURIES		PHONE			
TAKEN TO		REMOVED BY			
PASSENGER ACTION					
BOARDING <input type="checkbox"/> CAUGHT BY DOOR <input type="checkbox"/> FELL <input type="checkbox"/> OTHER		FALL/BUMP ON BOARD <input type="checkbox"/> STANDING <input type="checkbox"/> MOVING <input type="checkbox"/> SITTING			
DOOR: <input type="checkbox"/> FRONT <input type="checkbox"/> CENTER <input type="checkbox"/> REAR		LOCATION OF PASSENGER <input type="checkbox"/> FRONT <input type="checkbox"/> CENTER <input type="checkbox"/> REAR			
HOW FAR WERE STEPS FROM CURB OR LANDING _____ IN.		WHEELCHAIR <input type="checkbox"/> RUNNING FOR BUS		TYPE: _____ FT.	
FLOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET <input type="checkbox"/> SNOW/ICE <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER		STEP <input type="checkbox"/> YES <input type="checkbox"/> NO		PASSENGER WAS <input type="checkbox"/> INTOXICATED <input type="checkbox"/> CARRYING OBJECT <input type="checkbox"/> WEARING GLASSES <input type="checkbox"/> CRUTCHES OR CANE <input type="checkbox"/> UNSTABLE	
SHOE TYPE: _____					

2 PEDESTRIAN ACCIDENT

NAME (LAST, FIRST, M.I.)		D.O.B.		INJURED YES <input type="checkbox"/> NO <input type="checkbox"/>	
ADDRESS		CITY		STATE F.D. NO.	
INJURIES		REMOVED BY			
TAKEN TO		REMOVED BY			
PEDESTRIAN ACTION					
<input type="checkbox"/> CROSSING INTERSECTION WITH SIGNAL		<input type="checkbox"/> IN CROSSWALK		<input type="checkbox"/> ACTION UNKNOWN	
<input type="checkbox"/> CROSSING INTERSECTION AGAINST SIGNAL		<input type="checkbox"/> NOT IN CROSSWALK			
<input type="checkbox"/> CROSSING INTERSECTION: NO SIGNAL		<input type="checkbox"/> STANDING NEAR CURB ON STREET			
<input type="checkbox"/> CROSSING NOT AT INTERSECTION		<input type="checkbox"/> STANDING NEAR CURB ON SIDEWALK			
<input type="checkbox"/> FROM BETWEEN PARKED VEHICLES		<input type="checkbox"/> GETTING ON/OFF VEHICLE			
<input type="checkbox"/> IN STREET: STANDING, WALKING, RUNNING		<input type="checkbox"/> WORKING ON VEHICLE			
<input type="checkbox"/> CROSSING IN FRONT OF BUS-HIT BY ANOTHER VEHICLE		<input type="checkbox"/> WORKING IN STREET			

3 WITNESS F.D. NO.

NAME		PHONE	
ADDRESS		CITY STATE	

4 PASSENGER ACCIDENT

NAME (LAST, FIRST, M.I.)		D.O.B.		F.D. NO.	
ADDRESS		CITY		STATE	
INJURIES		PHONE			
TAKEN TO		REMOVED BY			
PASSENGER ACTION					
BOARDING <input type="checkbox"/> CAUGHT BY DOOR <input type="checkbox"/> FELL <input type="checkbox"/> OTHER		FALL/BUMP ON BOARD <input type="checkbox"/> STANDING <input type="checkbox"/> MOVING <input type="checkbox"/> SITTING			
DOOR: <input type="checkbox"/> FRONT <input type="checkbox"/> CENTER <input type="checkbox"/> REAR		LOCATION OF PASSENGER <input type="checkbox"/> FRONT <input type="checkbox"/> CENTER <input type="checkbox"/> REAR			
HOW FAR WERE STEPS FROM CURB OR LANDING _____ IN.		WHEELCHAIR <input type="checkbox"/> RUNNING FOR BUS		TYPE: _____ FT.	
FLOOR <input type="checkbox"/> DRY <input type="checkbox"/> WET <input type="checkbox"/> SNOW/ICE <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER		STEP <input type="checkbox"/> YES <input type="checkbox"/> NO		PASSENGER WAS <input type="checkbox"/> INTOXICATED <input type="checkbox"/> CARRYING OBJECT <input type="checkbox"/> WEARING GLASSES <input type="checkbox"/> CRUTCHES OR CANE <input type="checkbox"/> UNSTABLE	
SHOE TYPE: _____					

5 PEDESTRIAN ACCIDENT

NAME (LAST, FIRST, M.I.)		D.O.B.		INJURED YES <input type="checkbox"/> NO <input type="checkbox"/>	
ADDRESS		CITY		STATE F.D. NO.	
INJURIES		REMOVED BY			
TAKEN TO		REMOVED BY			
PEDESTRIAN ACTION					
<input type="checkbox"/> CROSSING INTERSECTION WITH SIGNAL		<input type="checkbox"/> IN CROSSWALK		<input type="checkbox"/> ACTION UNKNOWN	
<input type="checkbox"/> CROSSING INTERSECTION AGAINST SIGNAL		<input type="checkbox"/> NOT IN CROSSWALK			
<input type="checkbox"/> CROSSING INTERSECTION: NO SIGNAL		<input type="checkbox"/> STANDING NEAR CURB ON STREET			
<input type="checkbox"/> CROSSING NOT AT INTERSECTION		<input type="checkbox"/> STANDING NEAR CURB ON SIDEWALK			
<input type="checkbox"/> FROM BETWEEN PARKED VEHICLES		<input type="checkbox"/> GETTING ON/OFF VEHICLE			
<input type="checkbox"/> IN STREET: STANDING, WALKING, RUNNING		<input type="checkbox"/> WORKING ON VEHICLE			
<input type="checkbox"/> CROSSING IN FRONT OF BUS-HIT BY ANOTHER VEHICLE		<input type="checkbox"/> WORKING IN STREET			

6 WITNESS F.D. NO.

NAME		PHONE	
ADDRESS		CITY STATE	



COPY

PAGE:_____ OF _____ PAGES

IR-MEI		SUPERVISOR: _____		DISP. INC. NO.: _____		CLAIM NO.: _____	
DATE OF ACCIDENT		OPERATOR		NO.		LINE/TRAIN	
						VEHICLE NO.	
						TYPE	
						LIC. NO.	

DESCRIPTION OF ACCIDENT/INCIDENT (INCLUDE ANY ADMISSIONS FROM OTHER PARTIES)

[illegible]



PAGE: _____ OF _____ PAGES

DISP. INC. NO:

CLAIM NO.:

DATE OF ACCIDENT

OPERATOR

UN

INVESTING

VERHALEND

100

11

[illegible]



TRI-MET

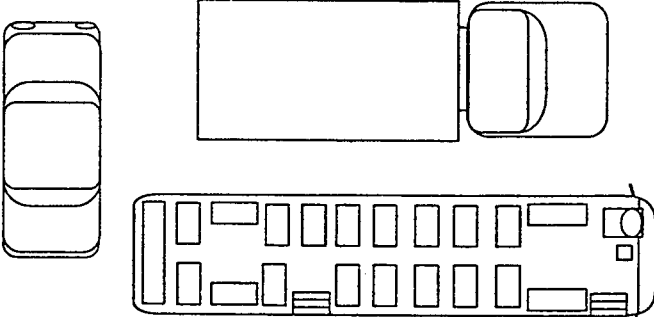
☐ Passenger Accident ☐ Vehicle Accident ☐ Incident ☐ Witness

File #

Revised 6/95

Operator Information Vehicle #1	Incident Date	Day	Time	<input type="checkbox"/> am <input type="checkbox"/> pm	Veh #	Line/Train	# Pass.	# Courtesy Cards	Status <input type="checkbox"/> Reg. Operator <input type="checkbox"/> Reg. Relief <input type="checkbox"/> Vacation Relief <input type="checkbox"/> Mini-Run <input type="checkbox"/> Extra Board <input type="checkbox"/> Mechanic <input type="checkbox"/> Supervisor <input type="checkbox"/> Other _____
	Name				Badge/ID#		Home phone		
	Sex <input type="checkbox"/> M <input type="checkbox"/> F	Hire Date	1st on duty at	<input type="checkbox"/> am <input type="checkbox"/> pm	Driver's License Number	Class	Expiration Date	State	
	Home Address				City, State, Zip				
	Describe damage to bus					Over \$400? <input type="checkbox"/> Y <input type="checkbox"/> N	Were you injured? <input type="checkbox"/> Y <input type="checkbox"/> N		
Location	I was proceeding <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> W <input type="checkbox"/> S <input type="checkbox"/> Inbound <input type="checkbox"/> Outbound (Location of Incident - Indicate SE, NW, etc.) On _____ At _____ City _____							Investigated by: Name _____	
	Mark boxes of sign or signal facing each vehicle. You are vehicle # 1. Veh. #1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Red <input type="checkbox"/> STOP <input type="checkbox"/> YIELD <input type="checkbox"/> Left Turn <input type="checkbox"/> Right Turn <input type="checkbox"/> NO TURN ON RED None Other <input type="checkbox"/> Green Veh. #2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Yellow <input type="checkbox"/> Not Working <input type="checkbox"/> Other _____							<input type="checkbox"/> Tri-Met <input type="checkbox"/> City Police # _____ <input type="checkbox"/> County Sheriff # _____ <input type="checkbox"/> State Police # _____ <input type="checkbox"/> Other _____ <input type="checkbox"/> None Photos Taken? <input type="checkbox"/> Y <input type="checkbox"/> N	
	If at a signal, your light was:								
Conditions	Weather <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Foggy <input type="checkbox"/> Raining <input type="checkbox"/> Snowing <input type="checkbox"/> Ice	Road Surface <input type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Snow/slush <input type="checkbox"/> Ice <input type="checkbox"/> Gravel <input type="checkbox"/> Other _____	Light Conditions <input type="checkbox"/> Daylight <input type="checkbox"/> Glare <input type="checkbox"/> Dawn <input type="checkbox"/> Dusk <input type="checkbox"/> Dark - lit <input type="checkbox"/> Dark - unlit	Equipment In Use <input type="checkbox"/> Headlights <input type="checkbox"/> Interior Lights <input type="checkbox"/> Sunvisor up <input type="checkbox"/> Sunvisor down <input type="checkbox"/> Sunglasses <input type="checkbox"/> Curtain down	Vehicle Defects? <input type="checkbox"/> Y <input type="checkbox"/> N If yes, nature of defect _____ Whom did you notify? _____ When was notification made? _____				
Other Vehicle Involved Vehicle #2	Driver's Name			Driver's License Number		Expiration Date		State	
	Sex <input type="checkbox"/> M <input type="checkbox"/> F	D.O.B.	Insurance Co.		Policy No.		Work phone		
	Address			City, State, Zip			Home phone		
	Plate No.	State	Make	Model / type		Year	Color		
	Describe damage						Over \$400? <input type="checkbox"/> Yes <input type="checkbox"/> No	# Pass.	
	Registered Owner's Name						Work Phone		
	Address						City, State, Zip		
						Home phone			
Passenger Accident (If applicable)	Passenger Action <input type="checkbox"/> Intending <input type="checkbox"/> Boarding <input type="checkbox"/> Deboarding <input type="checkbox"/> Departing <input type="checkbox"/> Standing <input type="checkbox"/> Moving <input type="checkbox"/> Sitting <input type="checkbox"/> Mobility Aid <input type="checkbox"/> Other _____	Passenger Location <input type="checkbox"/> On coach <input type="checkbox"/> At door <input type="checkbox"/> Front <input type="checkbox"/> Center <input type="checkbox"/> Rear <input type="checkbox"/> Securement Area <input type="checkbox"/> On lift <input type="checkbox"/> Off coach <input type="checkbox"/> Other _____	Incident Type <input type="checkbox"/> Fall on board <input type="checkbox"/> Bump on board <input type="checkbox"/> Hit by door <input type="checkbox"/> Fall / stepwell <input type="checkbox"/> Fall away from bus <input type="checkbox"/> Struck by vehicle <input type="checkbox"/> Struck by bicycle <input type="checkbox"/> Fall - lift related <input type="checkbox"/> Other _____	Other Passenger Factors <input type="checkbox"/> Wearing glasses <input type="checkbox"/> Carrying objects <input type="checkbox"/> Able bodied / stable <input type="checkbox"/> Unstable <input type="checkbox"/> Using cane <input type="checkbox"/> Crutches / Walker <input type="checkbox"/> Impairment (describe) _____	Floor / Step Condition <input type="checkbox"/> Dry <input type="checkbox"/> Debris / Litter <input type="checkbox"/> Wet <input type="checkbox"/> Snow / Ice <input type="checkbox"/> Unknown Shoe Heel Type: <input type="checkbox"/> High <input type="checkbox"/> Low				
	Distance of bus steps from curb: _____ ft. _____ in.				Secured by: <input type="checkbox"/> Wheelchair <input type="checkbox"/> Motorized Wheelchair <input type="checkbox"/> Scooter				
	Operator location and action: _____				<input type="checkbox"/> Clamp <input type="checkbox"/> Straps <input type="checkbox"/> None				

Ped. / Cyclist <i>(If applicable)</i>	Movement/Action		Direction Headed		Further Description			
	<input type="checkbox"/> Walking in street <input type="checkbox"/> Running in street <input type="checkbox"/> Standing in street <input type="checkbox"/> Riding bicycle <input type="checkbox"/> Working in street <input type="checkbox"/> Playing in street <input type="checkbox"/> Unknown <input type="checkbox"/> Other _____		<input type="checkbox"/> North <input type="checkbox"/> South <input type="checkbox"/> East <input type="checkbox"/> West <input type="checkbox"/> Other _____ <input type="checkbox"/> Unknown		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> At intersection <input type="checkbox"/> In crosswalk <input type="checkbox"/> Not in crosswalk <input type="checkbox"/> No crosswalk <input type="checkbox"/> With signal <input type="checkbox"/> With stop sign/other <input type="checkbox"/> Against sign/signal <input type="checkbox"/> No sign/signal </div> <div> <input type="checkbox"/> Not at intersection <input type="checkbox"/> Crossing Diagonally <input type="checkbox"/> Crossing in front of vehicle <input type="checkbox"/> Getting in/out of other vehicle <input type="checkbox"/> Crossing from behind vehicle <input type="checkbox"/> From between parked vehicles <input type="checkbox"/> Other _____ </div> </div>			

Vehicle Actions <i>Fill out for all vehicle, passenger, and pedestrian accidents</i>	Mark all boxes that apply <i>(You are vehicle #1)</i>		Action before incident			Action at time of incident			Distance between coach and other vehicle when hazard first recognized: _____ ft. Did you sound horn? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how far away? _____ ft.	
	Sudden stop		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Did you apply brakes? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how far away? _____ ft. After impact coach moved _____ ft. After impact other vehicle moved _____ ft. Posted speed _____ mph	
	Slowing / braking		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Stopped		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Stopped in zone		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Parked		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Show with an "X" mark the point of contact and/or location of any injured persons. 	
	Backing		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Starting		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Passing		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Changing lanes		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Going straight		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Turning left		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Turning right		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Entering zone		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Leaving zone		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Pull from curb (non-zone)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Pull from driveway		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Other (explain)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Left turn signal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Right turn signal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4-way flashers		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Your speed		_____ mph		_____ mph		_____ mph				
Other vehicle speed		_____ mph		_____ mph		_____ mph				

Persons Injured/Involved	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____		Name _____		Address _____ City, State, Zip _____							
			Describe Injury _____		Sex: <input type="checkbox"/> M <input type="checkbox"/> F		Date of birth _____		Work Phone _____		Home Phone _____	
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____		Name _____		Address _____ City, State, Zip _____							
			Describe Injury _____		Sex: <input type="checkbox"/> M <input type="checkbox"/> F		Date of birth _____		Work Phone _____		Home Phone _____	
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____		Name _____		Address _____ City, State, Zip _____							
			Describe Injury _____		Sex: <input type="checkbox"/> M <input type="checkbox"/> F		Date of birth _____		Work Phone _____		Home Phone _____	
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____		Name _____		Address _____ City, State, Zip _____							
			Describe Injury _____		Sex: <input type="checkbox"/> M <input type="checkbox"/> F		Date of birth _____		Work Phone _____		Home Phone _____	
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____		Name _____		Address _____ City, State, Zip _____							
			Describe Injury _____		Sex: <input type="checkbox"/> M <input type="checkbox"/> F		Date of birth _____		Work Phone _____		Home Phone _____	

Witnesses	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____	Name _____	Address _____				
		City, State, Zip _____		Home phone _____	Work phone _____		
		Name _____		Address _____			
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____	City, State, Zip _____		Home phone _____	Work phone _____		
		Name _____		Address _____			
		City, State, Zip _____		Home phone _____	Work phone _____		
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____	Name _____		Address _____			
		City, State, Zip _____		Home phone _____	Work phone _____		
		Name _____		Address _____			
	<input type="checkbox"/> Passenger in Vehicle # _____ <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other _____	City, State, Zip _____		Home phone _____	Work phone _____		
Name _____		Address _____					
City, State, Zip _____		Home phone _____	Work phone _____				
Other Vehicle Involved Vehicle #3 (If applicable)	Driver's Name _____		Driver's License Number _____		Expiration Date _____	State _____	
	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	D.O.B. _____	Insurance Co. _____	Policy No. _____		Work phone _____	
	Address _____		City, State, Zip _____		Home phone _____		
	Plate No. _____	State _____	Make _____	Model / type _____	Year _____	Color _____	
	Describe damage _____					Over \$400? <input type="checkbox"/> Yes <input type="checkbox"/> No	# Pass. _____
	Registered Owner's Name _____					Work Phone _____	
	Address _____					City, State, Zip _____	
						Home phone _____	
Theft / Assault / Arrest	Name of suspect(s) (if known) _____						
	Age _____ Height _____ Weight _____ Hair color _____ Hair length _____ Eye color _____						
	Clothing or other characteristics: _____						
	Suspect Description		Weapons		Type of Incident		
	<input type="checkbox"/> Individual <input type="checkbox"/> Group (Count) _____ <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Adult <input type="checkbox"/> Youth <input type="checkbox"/> White <input type="checkbox"/> Black <input type="checkbox"/> Hispanic <input type="checkbox"/> Asian <input type="checkbox"/> Native American <input type="checkbox"/> Unknown <input type="checkbox"/> Other _____		<input type="checkbox"/> None <input type="checkbox"/> Handgun <input type="checkbox"/> Shotgun / Rifle <input type="checkbox"/> Assault weapon <input type="checkbox"/> Knife <input type="checkbox"/> Hands / Feet <input type="checkbox"/> Club / Baton <input type="checkbox"/> Unknown <input type="checkbox"/> Other _____		<input type="checkbox"/> Theft <input type="checkbox"/> Transfers <input type="checkbox"/> Operator's property <input type="checkbox"/> Passenger property <input type="checkbox"/> Other _____ <input type="checkbox"/> Assault <input type="checkbox"/> Operator <input type="checkbox"/> Passenger <input type="checkbox"/> Other _____		
					<input type="checkbox"/> Vandalism <input type="checkbox"/> Seats <input type="checkbox"/> Windows <input type="checkbox"/> Doors <input type="checkbox"/> Coach interior <input type="checkbox"/> Coach exterior <input type="checkbox"/> Other _____		
Action Taken Against Suspect <input type="checkbox"/> Arrested <input type="checkbox"/> Cited <input type="checkbox"/> Ejected <input type="checkbox"/> None <input type="checkbox"/> Unknown <input type="checkbox"/> Other _____							

Incident Date _____ Operator _____ ID# _____ Veh. # _____ Line _____ Train _____

Diagram of Incident


Indicate North
(use Arrow)

Label streets and number each vehicle



Tri-Met



Other

Use arrow to
show path



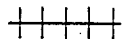
Use dotted line to
mark lanes of travel



Show pedestrian by



Show railroad tracks by



Describe what Happened *(include events/actions prior to, during, and after incident)*

Operator's Signature _____

Date of Report _____

Accepted by _____

Date Accepted _____

